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Lead-antimony sulfosalts from Tuscany (Italy). XXIII. Andreadiniite, CuHgAg₇Pb₇Sb₂₄S₄₈, a new oversubstituted (Cu,Hg)-rich member of the andorite homeotypic series from the Monte Arsiccio mine, Apuan Alps

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Short Title:	Andreadiniite, a new member of the andorite series
Corresponding Author:	Cristian Biagioni Universita di Pisa ITALY
Corresponding Author E-Mail:	biagioni@dst.unipi.it
Order of Authors:	Cristian Biagioni Yves Moëlo Paolo Orlandi Werner H. Paar
Abstract:	<p>The new mineral species andreadiniite, CuAg₇HgPb₇Sb₂₄S₄₈, has been discovered in a quartz vein embedded in metadolostone from the Sant'Olga tunnel, Monte Arsiccio mine, Stazzema, Apuan Alps, Tuscany, Italy. It occurs as black anhedral grains, up to some mm in size, with a metallic luster, associated with sphalerite and stibnite. Under the ore microscope, andreadiniite is white, with a slightly yellow-bronze tint. Pleochroism was not observed. Anisotropism is weak, in shades of grey to bluish-grey. Reflectance percentages for the four COM wavelenghts are [Rmin, Rmax (%), (λ)]: 34.8, 36.4 (470 nm); 33.5, 35.1 (546 nm); 32.9, 35.0 (589 nm); and 31.8, 32.4 (650 nm). Electron-microprobe analysis gave (in wt% - average of seven spot analyses): Cu 1.06(2), Ag 11.25(18), Tl 0.45(9), Hg 2.76(14), Pb 19.95(16), As 1.55(5), Sb 40.45(21), S 22.23(11), total 99.70(42). On the basis of ΣMe = 40 atoms per formula unit, the chemical formula is Cu_{1.14}Ag_{7.12}Tl_{0.15}Hg_{0.94}Pb_{6.57}(Sb_{22.68}As_{1.41})Σ₂₄.09S_{47.33}, ideally CuAg₇HgPb₇Sb₂₄S₄₈. The main diffraction lines, corresponding to multiple hkl indices, are [d in Å (relative visual intensity)]: 3.719 (ms), 3.406 (s), 3.277 (s), 2.885 (s), 2.740 (s), 2.131 (ms), 2.055 (s), and 1.788(s). The crystal structure study gave a monoclinic pseudo-orthorhombic unit cell, space group P21/c, with a = 19.0982(14), b = 17.0093(11), c = 13.0008(10) Å, β = 90.083(4)°, V = 4223.3(5) Å³, Z = 2. The crystal structure has been solved and refined to R1 = 0.067 on the basis of 9756 reflections with Fo > 4σ(Fo) and 424 refined parameters. Andreadiniite is a new 4,4L homologue belonging to the andorite sub-series of Sb-rich members within the lillianite homologous series. Its crystal structure can be described as formed by the alternation of four-octahedra thick PbS-like slabs, cut and unit-cell twinned on (311)PbS, and layers of bicapped trigonal prisms lying on the composition plane of unit-cell twinning. Antimony substituting Pb gives an ideal substitution percentage n = 106.25%. Distribution of minor cations (Hg, Cu, As) is detailed. Mercury likely play a critical role for the stabilization of andreadiniite, through a complex substitution rule implying three cation sites: Pb²⁺ + Sb³⁺ + Ag⁺ → Sb³⁺ + Ag⁺ + Hg²⁺. Copper is subordinate to the two Hg-rich sites. The name honors Andrea Dini (b. 1966) for his contribution to the knowledge of ore deposits from Tuscany and, in particular, the ore geology and mineralogy of Hg ores from Apuan Alps.</p>
Keywords:	andreadiniite; lillianite homologous series; new mineral species; lead; copper; silver; mercury; antimony; crystal structure; Apuan Alps.
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	Luca Bindi Universita degli Studi di Firenze Dipartimento di Scienze della Terra luca.bindi@unifi.it
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Manuscript

Dear Sir,

we would like to publish our paper in *European Journal of Mineralogy*.

The paper, entitled “**Lead-antimony sulfosalts from Tuscany (Italy). XXIII. Andreadiniite, $\text{CuHgAg}_7\text{Pb}_7\text{Sb}_{24}\text{S}_{48}$, a new oversubstituted (Cu,Hg)-rich member of the andorite homeotypic series from the Monte Arsiccio mine, Apuan Alps**” by Cristian Biagioni, Yves Moëlo, Paolo Orlandi, and Werner H. Paar, has not been previously published and it will not be submitted elsewhere for publication while it is in review for *European Journal of Mineralogy*.

The paper describes the new mineral species andreadiniite (IMA 2014-049), discussing its crystal structure and its relationships with the other members of the andorite group.

Yours faithfully,

Cristian Biagioni

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4

5 **Running title:** Andreadiniite, a new member of the andorite series

6

7 **Plan of the article:**

8 Abstract

9 1. Introduction

10 2. Occurrence and mineral description

11 2.1. Occurrence and physical properties

12 2.2. Chemical data

13 2.3. Crystallography

14 3. Crystal structure description

15 3.1. General organization

16 3.2. Atom coordinations and site occupancies

17 4. Crystal chemistry of andreadiniite

18 4.1. Homologue number and slab composition

19 4.2. Crystal chemical analysis

20 4.3. Chemical peculiarities of andreadiniite

21 4.4. Andreadiniite within the andorite homeotypic series

22 4.5. Sb- *versus* Bi-rich members of the ^{44}L homologue type

23 5. Conclusion

24 References

25

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34 **oversubstituted (Cu,Hg)-rich member of the andorite**
35 **homeotypic series from the Monte Arsiccio mine, Apuan**
36 **Alps**

37

38 CRISTIAN BIAGIONI^{1,*}, YVES MOËLO², PAOLO ORLANDI¹, and WERNER H. PAAR³

39

40 ¹Dipartimento di Scienze della Terra, Università di Pisa, Via S. Maria 53, I-56126 Pisa, Italy

41 ²Institut des Matériaux Jean Rouxel, UMR 6502, CNRS, Université de Nantes, 2, rue de la
42 Houssinière, 44322 Nantes Cedex 3, France

43 ³Department of Chemistry and Physics of Materials, University of Salzburg, Jakob-Haringer-Strasse
44 2a, A-5020 Salzburg, Austria

45

46 *Corresponding author, e-mail: cristian.biagioni@unipi.it

47

48 **Abstract:** The new mineral species andreadiniite, $\text{CuAg}_7\text{HgPb}_7\text{Sb}_{24}\text{S}_{48}$, has been discovered in a
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68 trigonal prisms lying on the composition plane of unit-cell twinning. Antimony substituting Pb
69 gives an ideal substitution percentage $n = 106.25\%$. Distribution of minor cations (Hg, Cu, As) is
70 detailed. Mercury likely play a critical role for the stabilization of andreadiniite, through a complex
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72 subordinate to the two Hg-rich sites. The name honors Andrea Dini (b. 1966) for his contribution to
73 the knowledge of ore deposits from Tuscany and, in particular, the ore geology and mineralogy of
74 Hg ores from Apuan Alps.

75 **Key-words:** andreadiniite; lillianite homologous series; new mineral species; lead; copper; silver;
76 mercury; antimony; crystal structure; Apuan Alps.

77

78 **1. Introduction**

79 The lillianite homologous series, first defined by Makovicky & Karup-Møller (1977), is a
80 series of primarily Pb-Bi-Sb-Ag sulfosalts composed by slabs of PbS archetype, cut and unit-cell
81 twinned on (311)_{PbS}. These PbS-like slabs are composed of distorted cation-centered octahedra
82 sharing edges, whereas the composition planes of unit-cell twinning are formed by bicapped
83 trigonal prisms. Different homologues differ in the thickness of the PbS-like slabs, the homologue
84 number N being given by the number of octahedra disposed diagonally across the slabs.

85 Within the lillianite homologous series, two distinct chemical branches can be distinguished,
86 *i.e.* the lillianite branch, represented by predominantly Pb-Bi-Ag sulfosalts, and the andorite branch,
87 formed by predominantly Pb-Sb-Ag species (*e.g.*, Makovicky & Topa, 2014a).

88 The andorite branch is represented by $N = 4$ homologues (or ${}^{4,4}L$ homologues, where L stands
89 for “lillianite homologue”) only and it is composed of homeotypic compounds. In addition to major
90 Pb, Sb, and Ag, other minor elements can be present, such as Cd, Fe, Mn, Cu, and As; in some
91 localities, Bi can partially replace Sb in different proportions (*e.g.*, Moëlo *et al.*, 1984, 1989). The
92 study by Moëlo *et al.* (1989) can be considered as a point of departure for the modern
93 systematization of the phases belonging to the andorite homeotypic series. Since this work, several
94 additional mineral species have been defined (Table 1). Moreover, some unnamed minerals as well
95 as synthetic compounds related to the andorite series are known.

96 The occurrence of members of the andorite branch in the hydrothermal ores from Apuan Alps
97 was briefly reported by Orlandi & Dini (2004), who cited the identification of “andorite” from the
98 Buca della Vena mine, in association with pyrite, tetrahedrite, and derbylite in vugs of carbonate
99 veins. Any further crystallographic information is still lacking. During the investigation of the
100 sulfosalt mineral assemblages from the Monte Arsiccio mine, an andorite-related species was
101 identified. It showed some chemical peculiarities (minor Cu and exceptional Hg contents)
102 promoting its crystallographic investigation. The crystal structure solution and refinement showed
103 the uniqueness of this phase, representing a new oversubstituted member in the andorite homeotypic
104 series.

105 The mineral and its name have been approved by the IMA-CNMNC, under the number 2014-
106 049. The holotype specimen is deposited in the mineralogical collection of the Museo di Storia
107 Naturale, Università di Pisa, Via Roma 79, Calci, Pisa (Italy), under catalogue number 19688. The
108 name is in honor of Andrea Dini (b. 1966) for his contribution to the knowledge of the ore geology
109 and mineralogy of the Hg deposits from Apuan Alps (Levigliani and Ripa mines, as well as the
110 Monte Arsiccio ore deposit – Dini *et al.*, 1995; Dini *et al.*, 2001; Biagioni *et al.*, 2013). His studies
111 allowed the understanding of the actual status of “leviglianite” (*i.e.* Zn-rich metacinnabar – Dini,

112 1995) and the description of the new Hg-Bi sulfosalt grumiplucite (Orlandi *et al.*, 1998). Moreover,
113 Andrea Dini has made important and original contributions to the knowledge of the magmatic
114 activity in the Tuscan Magmatic Province and the related ore deposits (*e.g.*, Dini *et al.*, 2002; Dini,
115 2003).

116 This paper reports the description of the occurrence of andreadiniite and its crystal structure,
117 discussing its relationships with the other Sb-rich members of the lillianite homologous series.

119 **2. Occurrence and mineral description**

120 **2.1. Occurrence and physical properties**

121 Andreadiniite was collected in a quartz vein embedded in metadolostone from the Sant'Olga
122 tunnel, Monte Arsiccio mine, Stazzema, Apuan Alps, Tuscany, Italy (latitude 43°58'16''N,
123 10°17'05''E). The Monte Arsiccio mine exploited a baryte ± pyrite ± iron oxide ore deposit located
124 at the contact between the Paleozoic basement, formed by a metavolcanic-metasiliclastic sequence,
125 and the Triassic metadolostone belonging to the *Grezzoni* Formation. The geological setting of the
126 Monte Arsiccio ore deposit has been reported by previous authors (*e.g.*, Costagliola *et al.*, 1990)
127 and an overview on this kind of ore deposits from Apuan Alps can be found in D'Orazio *et al.*
128 (2017). Within the ore deposit, meter-to-decameter-sized lenses of metadolostone were found
129 during the mining activity. One of them is exposed in the Sant'Olga tunnel and it is the type locality
130 for four mineral species: boscardinite (Orlandi *et al.*, 2012), protochabournéite (Orlandi *et al.*,
131 2013), arsiccioite (Biagioni *et al.*, 2014a), and mapiquiroite (Biagioni *et al.*, 2014b). Andreadiniite
132 is a further addition to this list.

133 Andreadiniite was identified in only a limited number of samples. The type material is
134 represented by a quartz vein embedded in the dark grey metadolostone, enriched in microcrystalline
135 pyrite, where andreadiniite forms mm-sized lead-grey compact masses, with a metallic luster. It is
136 brittle, with a conchoidal to uneven fracture (Fig. 1). The Vickers hardness, measured with a load of
137 25 g, is $VHN_{25} = 223 \text{ kg/mm}^2$, ranging between 218 and 229 kg/mm^2 , corresponding to a Mohs
138 hardness of ~ 3.5 . Density was not measured, because of the scarcity of homogeneous material; on
139 the basis of the empirical formula (see below), the calculated density is 5.36 g/cm^3 . In plane-
140 polarized incident light, andreadiniite is white in colour, with a slight yellow bronze tint. Internal
141 reflections, as well as pleochroism, were not observed. Bireflectance is extremely weak. Between
142 crossed polars, andreadiniite is weakly anisotropic, in shades of grey to bluish-grey. Reflectance
143 values (WTiC as standard) were measured in air and are given in Table 2 and shown in Figure 2.

144 In the type specimen, andreadiniite is associated with sphalerite and stibnite. In the same
145 vein, the thallium sulfosalts boscardinite, protochabournéite, and routhierite were identified,

146 associated with Hg-rich tetrahedrite. The crystallization of this sulfosalt assemblage could be
147 related to the circulation of (Pb, Tl, Ag, Hg, Sb, As)-rich hydrothermal fluids in the fractures of the
148 metadolostone during the Tertiary Alpine tectono-metamorphic events.

149

150 2.2. Chemical data

151 A grain of andreadiniite (sample # 4634) was analyzed with a CAMECA SX50 electron
152 microprobe (BRGM-CNRS-University common laboratory, Orléans, France) operating in WDS
153 mode. The operating conditions were: accelerating voltage 20 kV, beam current 5 nA, beam size 1
154 μm . Standards (element, emission line, counting times) were: metal Cu ($\text{CuK}\alpha$, 30 s), metal Ag
155 ($\text{AgL}\alpha$, 20 s), HgS ($\text{HgM}\alpha$, 20 s), lorándite ($\text{TlM}\alpha$, 20 s), galena ($\text{PbM}\alpha$, 20 s), stibnite ($\text{SbL}\alpha$, 20 s),
156 AsGa ($\text{AsL}\alpha$, 30 s), and pyrite ($\text{SK}\alpha$, 20 s).

157 Electron microprobe data for andreadiniite are given in Table 3. On the basis of $\Sigma Me = 40$
158 atoms per formula unit, the chemical formula of andreadiniite can be written as
159 $\text{Cu}_{1.14}\text{Ag}_{7.12}\text{Tl}_{0.15}\text{Hg}_{0.94}\text{Pb}_{6.57}(\text{Sb}_{22.68}\text{As}_{1.41})_{\Sigma 24.09}\text{S}_{47.33}$. After subtracting As and Tl according to the
160 substitutions $\text{As}^{3+} = \text{Sb}^{3+}$ and $\text{Tl}^{+} + \text{Sb}^{3+} = 2 \text{Pb}^{2+}$, respectively, the formula can be written as
161 $\text{Cu}_{1.14}\text{Ag}_{7.12}\text{Hg}_{0.94}\text{Pb}_{6.87}\text{Sb}_{23.94}\text{S}_{47.33}$, ideally $\text{CuAg}_7\text{HgPb}_7\text{Sb}_{24}\text{S}_{48}$.

162

163 2.3. Crystallography

164 The X-ray powder diffraction pattern of andreadiniite was collected using a 114.6 mm
165 Gandolfi camera with Ni-filtered $\text{CuK}\alpha$ radiation. The observed pattern is reported in Table 4,
166 where it is compared with the calculated one obtained through the software *PowderCell* (Kraus &
167 Nolze, 1996) using the structural model described below. Owing to the multiplicity of indices for
168 the majority of the diffraction lines, the unit-cell parameters were not refined.

169 For the single-crystal X-ray diffraction study, the intensity data were collected using a
170 Bruker Smart Breeze diffractometer with an air-cooled CCD detector, with graphite-
171 monochromatized $\text{MoK}\alpha$ radiation. The detector-to-crystal distance was set at 50 mm. A total of
172 3006 frames was collected using ω and φ scan modes in $\Delta\varphi = 0.3^\circ$ slices, with an exposure time of
173 25 s per frame. Data were corrected for Lorentz-polarization factors and absorption using the
174 package of softwares *Apex2* (Bruker AXS Inc., 2004). The statistical tests on the distribution of $|E|$
175 values ($|E^2 - 1| = 0.979$) suggested the occurrence of a centre of symmetry. The refined unit-cell
176 parameters are $a = 19.0982(14)$, $b = 17.0093(11)$, $c = 13.0008(10)$ Å, $\beta = 90.083(4)^\circ$, $V = 4223.3(5)$
177 Å³, space group $P2_1/c$. The $a:b:c$ ratio is 1.123:1:0.764.

178 The crystal structure of andreadiniite was refined through *Shelxl-2014* (Sheldrick, 2015)
179 starting from the atomic coordinates of quatrandorite given by Nespolo *et al.* (2012). Scattering

180 curves for neutral atoms were taken from the *International Tables for Crystallography* (Wilson,
181 1992). In a first step of the refinement, the scattering curves of Pb, Sb, Ag, and S were used at the
182 Pb, Sb, Ag, and S sites. Several cycles of isotropic refinement led to a high R_1 value (~ 0.40) that
183 was lowered to a reasonable $R_1 = 0.15$ assuming the occurrence of a two-fold twin axis along [100]
184 [twin ratio 0.50(1)]. Taking into account both the values of the isotropic displacement parameters
185 and the bond lengths, some sites showing a mixed occupancy were detected. Among the four Pb
186 sites, Pb2 and Pb3 showed a mixed (Pb,Sb) occupancy with a splitting between Pb-centered and Sb-
187 centered polyhedra. The refinement of their site occupancy factors (s.o.f.) using the Pb vs Sb
188 scattering curves indicated the occurrence of Sb at Pb1, Pb2, and, in particular, at the Pb3 sites. On
189 the contrary, the Pb4 site was found to be fully occupied by Pb only. The isotropic modeling of the
190 displacement parameters at the Pb3 site was associated with the s.o.f. $\text{Pb}_{0.57(1)}\text{Sb}_{0.43(1)}$, giving a total
191 amount of Pb agreeing with chemical data, and the U_{iso} value of $0.0275(4) \text{ \AA}^2$. On the contrary, the
192 anisotropic refinement of this atom position resulted in a higher Pb/Sb atomic ratio (*i.e.*,
193 $\text{Pb}_{0.83(1)}\text{Sb}_{0.17(1)}$) and a definitely higher U_{eq} value (*i.e.*, $0.0492(9) \text{ \AA}^2$). Consequently, taking into
194 account the results of the electron microprobe analysis and the possible occurrence of a larger
195 amount of lighter atoms (*i.e.*, a lower Pb/Sb atomic ratio) suggested by the U_{eq} value, the s.o.f. at
196 the Pb3 position was fixed to $\text{Pb}_{0.57}\text{Sb}_{0.43}$ and the equivalent isotropic displacement parameter
197 converged to $0.0345(8) \text{ \AA}^2$.

198 The examination of the twelve independent Sb positions showed that Sb6 had a large U_{iso}
199 value and, together with the Sb7 site, bond distances larger than those expected for pure Sb sites.
200 The other sites had U_{iso} and bond lengths agreeing with pure Sb or mixed (Sb,As) occupancies.
201 Consequently, their s.o.f. were refined using the scattering curves of Sb vs As. Refining these sites
202 (but not the Sb6 and Sb7 positions) assuming an anisotropic model, the R_1 lowered to 0.098. The
203 two Sb6 and Sb7 sites were refined assuming a mixed (Sb/Ag) occupancy, and freely refining their
204 atomic coordinates. The R_1 value dropped to 0.089.

205 Finally, the four independent Ag sites were taken into account. Two of them, corresponding
206 to the Ag2 and Ag3 sites in the structural model proposed for quatrandorite by Nespolo *et al.*
207 (2012), showed definitely shorter $Me-S$ distances and high U_{iso} , and were assumed as potential
208 hosts for Cu and Hg. The s.o.f. at these two metal positions, labeled *Me2* and *Me3*, were refined
209 using the scattering curves of Cu vs Hg, indicating 45.7 and 47.9 electrons in each site, respectively.
210 In addition, the s.o.f. at the Ag1 and Ag4 sites was refined using the scattering curves of Ag vs Hg,
211 indicating a minor replacement of Ag by Hg at these positions. The *Me2* and *Me3* sites have large
212 U_{eq} values, possibly indicating a positional disorder related to the different atoms occupying such
213 positions. Actually, whereas it was possible to model two split sub-sites for *Me2* positions, the *Me3*

214 site was modeled as an unsplit site, notwithstanding the relatively high U_{eq} value (0.061 Å²). On the
215 basis of the site scattering values at the *Me2* and *Me3* positions, the site populations
216 ($\text{Ag}_{0.53}\text{Cu}_{0.30}\text{Hg}_{0.17}$) and ($\text{Ag}_{0.55}\text{Cu}_{0.27}\text{Hg}_{0.18}$), respectively, could be proposed. They correspond to
217 theoretical site scattering values of 47.2 and 48.1 electrons, respectively.

218 An anisotropic model for all cations and anions converged to $R_1 = 0.067$ for 9756 reflections
219 with $F_o > 4\sigma(F_o)$ and 424 refined parameters. The chemical formula, obtained through the crystal
220 structure refinement is $\text{Cu}_{1.14}\text{Ag}_{6.93}\text{Hg}_{0.89}\text{Pb}_{6.82}(\text{Sb}_{22.84}\text{As}_{1.38})_{\Sigma 24.22}\text{S}_{48}$ ($Z = 2$). Details of the intensity
221 data collection and crystal structure refinement are given in Table 5.

222

223 3. Crystal structure description

224 3.1. General organization

225 Atomic coordinates, site occupancies, and equivalent isotropic displacement parameters of
226 andreadiniite are given in Table 6, whereas selected bond distances and bond-valence sums,
227 calculated using the bond parameters of Brese & O’Keeffe (1991) are shown in Table 7. The unit-
228 cell content of andreadiniite is shown in Figure 3.

229 The general organization of andreadiniite, as seen down **b**, is presented in Figure 4. This
230 mineral is a $N(1,2) = 4,4$ member of the lillianite homologous series. Its crystal structure can be
231 described as formed by the alternation of $(311)_{\text{PbS}}$ slabs, four-octahedra thick along $(100)_{\text{PbS}}$ and
232 unit-cell twinned by reflection on $(311)_{\text{PbS}}$ planes. The crystal structure of andreadiniite shows a
233 four-fold superstructure with respect to the short 4 Å axis of the substructure and it contains 20
234 independent cation sites and 24 S sites.

235 The four independent sites located on the composition planes (100) of the unit-cell twinning
236 are bicapped trigonal prisms, having a pure Pb occupancy (at the Pb4 position) or mixed (Pb,Sb)
237 populations. Two of them, *i.e.* Pb2 and Pb3, are split into two sub-positions. These sites alternate
238 along **b**, according to the sequence $\dots\text{Pb1-Pb4-Pb2a/Sb2b-Pb3a/Sb3a-Pb1}\dots$ (Fig. 5).

239 Two kinds of $(311)_{\text{PbS}}$ slabs, each one formed by only one type of diagonal $(100)_{\text{PbS}}$ plane,
240 occur in the crystal structure of andreadiniite (Fig. 4). Following Makovicky & Topa (2014b) for
241 the description of the crystal structure of jasrouxite, these two different slabs can be indicated as
242 “central slab” (*C*) and “marginal slab” (*M*), owing to their positions at $y = 1/2$ (*i.e.*, at a central
243 position within the unit cell) and $y = 0$ and 1 (*i.e.*, at the margins of the unit cell), respectively. The
244 *C* slab is formed by four pure Sb positions (Sb4, Sb9, Sb10, and Sb12), one mixed (Sb,As) site
245 (Sb3), one split (Sb/Ag) position (Sb- and Ag-centered sub-sites labeled as Sb6a and Ag6b,
246 respectively), and two Ag-dominant sites (Ag1 and *Me3*), with possibly a minor replacement of Ag^+
247 by Cu^+ and Hg^{2+} . The *M* slab is composed by one pure Sb position (Sb5), four mixed (Sb,As) sites

248 (Sb1, Sb2, Sb8, and Sb11), one split (Sb/Ag) position (Sb7a and Ag7b), and two Ag-dominant sites
249 (*Me*2 and Ag4), with Ag⁺ partially replaced by Cu⁺ and Hg²⁺.

250 Every diagonal (100)_{PBS} plane, in both kinds of slabs, is formed by an outer column, flanking
251 the (100) composition plane, and an inner column, around the lone electron-pair micelle. The *C* slab
252 has outer columns showing the sequence of atom positions, along **b**, ...Ag1–*Me*3–Sb6a/Ag6b–Sb9–
253 Ag1..., whereas the inner columns are formed by the sequence ...Sb10–Sb4–Sb12–Sb3–Sb10...
254 (Fig. 5). Similarly, in the *M* slab, the sequences ...Sb1–Ag4–*Me*2a/*Me*2b–Sb7/Ag–Sb1... and
255 ...Sb2–Sb8–Sb5–Sb11–Sb2... represent the outer and inner columns, respectively (Fig. 5). This
256 metal distribution, with Ag occurring in the polyhedra close to or involving the anions of the (100)
257 composition plane of the unit-cell twinned structure, has been reported in other minerals of the
258 andorite subgroup (*e.g.*, jasrouxite – Makovicky & Topa, 2014b).

259

260 3.2. Atom coordinations and site occupancies

261 In the central (100) composition plane, the two split sub-sites Pb2a and Pb3a show a
262 bicapped trigonal prismatic coordination, like the pure or Pb-dominant sites Pb4 and Pb1, whereas
263 Sb2b and Sb3b have the typical trigonal pyramidal coordination shown by Sb³⁺, in an eccentric
264 position, like in jasrouxite (Makovicky & Topa, 2014), as well as in Pb-rich chabournéite (Biagioni
265 *et al.*, 2015) or boscardinite (Biagioni & Moëlo, 2017a). However, whereas the Sb2b site has three
266 Sb–S distances shorter than 2.70 Å ($\langle \text{Sb–S} \rangle = 2.55$ Å), with a bond-valence sum (BVS) of 2.61
267 valence unit (*v.u.*), the Sb3b position has only one Sb–S distance shorter than 2.70 Å, the other two
268 being 2.72 and 2.87 Å; this results in a severe underbonding of the Sb atom, likely due to the mean
269 position of neighbouring S11 atom. Average $\langle \text{Pb–S} \rangle$ distances range between 3.118 (Pb3a) and
270 3.143 Å (Pb1), with Pb–S bond distances ranging from 2.780 (Pb4–S23) to 3.794 Å (Pb1–S12).
271 Bond-valence sums range between 1.89 valence unit (*v.u.*) at the Pb4 site and 2.05 *v.u.* at the split
272 Pb3a position. The minor Tl content (~ 0.15 apfu) is likely hosted within one of such sites; usually
273 thallium could be attributed to the Pb site having the lowest BVS value, *i.e.* Pb4. However, it should
274 be taken into account the difference between the theoretical and observed value at the Pb1 site.
275 Indeed, it has been refined as a mixed (Pb_{0.93}Sb_{0.07}) site, with a theoretical BVS of 2.07 *v.u.* Its
276 actual BVS, 1.98 *v.u.*, can be compared with the slight underbonding at Pb4 (1.89 *v.u.*) and
277 consequently it is not possible to propose a reliable hypothesis about the Tl distribution in the
278 crystal structure of andreadiniite.

279 The ten (Sb,As) sites can be distinguished in pure Sb positions (Sb4, Sb5, Sb9, Sb10, and
280 Sb12) and mixed (Sb,As) sites (Sb1, Sb2, Sb3, Sb8, and Sb11). Taking into account the shortest
281 *Me*³⁺–S distances (< 2.70 Å – see Moëlo *et al.*, 2012), all these atom positions display the typical

282 trigonal pyramidal coordination, with average Sb–S distances ranging from 2.444 (Sb4) to 2.527 Å
283 (Sb10) for pure Sb positions and from 2.423 (Sb8) to 2.515 Å (Sb2) for mixed (Sb,As) positions.
284 The latter have the highest As content at the Sb8 site, with s.o.f. (Sb_{0.72}As_{0.28}). The corresponding
285 BVS values range between 2.80 (Sb2) and 3.36 *v.u.* (Sb4 – overbonding may be due to mean S10
286 position).

287 Two mixed and split (Sb/Ag) positions (Sb6a/Ag6b and Sb7a/Ag7b) were located in the
288 crystal structure of andreadiniite. The Sb-occupied sub-positions display the characteristic three-
289 fold pyramidal coordination, with average bond distances of 2.594 and 2.581 Å at the Sb6a and
290 Sb7a positions. Assuming the full-occupancy of these sites by Sb, the corresponding calculated
291 BVS are 2.70 and 2.90 *v.u.*, respectively. In the split positions Ag6b and Ag7b (Figs. 6a and b), Ag
292 atoms show a distorted octahedral coordination, with Ag–S distances ranging between 2.62 and
293 3.00 Å, with average bond distances of 2.843 and 2.806 Å at the Ag6b and Ag7b sites, respectively.
294 The corresponding BVS values are 0.95 and 1.08 *v.u.* for Ag6b and Ag7b.

295 The four Ag-dominant sites show two distinct kinds of coordination. Ag1 and Ag4 have a
296 distorted octahedral coordination (Figs. 6c and d). Their s.o.f. was modeled assuming a mixed
297 (Ag,Hg) occupancy. Ag1 has only a negligible Hg content (Hg_{0.03(1)}), whereas Ag4 has a slightly
298 larger Hg content (Hg_{0.07(1)}). Ag1 has four Ag–S distances in the range 2.63 – 2.73 Å, and two
299 additional longer distances, at 2.95 and 3.10 Å. Its BVS is 1.14 *v.u.* The Ag4 site has a different
300 pattern of bonds. Indeed, it shows three short Ag–S bonds, ranging between 2.54 and 2.72 Å, two
301 longer bonds at 2.91 and 2.95 Å, and a definitely long Ag–S bond at 3.29 Å. The *Me2* and *Me3* sites
302 have an Ag-dominant nature, with important substitution of Ag by Cu and Hg. The replacement of
303 Ag by these two metals is well-known in other sulfosalts (*e.g.*, Biagioni *et al.*, 2014c). The *Me2* site
304 is split into two sub-positions, *Me2a* and *Me2b* (Figs. 6e and f). The former has a distorted
305 tetrahedral coordination, with *Me*–S distances ranging between 2.41 and 2.57 Å; the coordination
306 sphere is completed by two additional longer bonds at 3.54 and 3.56 Å. The latter has two short
307 bonds (2.38 and 2.41 Å) in a linear arrangement (S–*Me*–S angle of 162°), an additional bond at 2.68
308 Å, and two long bonds at 2.97 and 3.08 Å. The sixth ligand is at 3.33 Å from *Me2b*. Taking into
309 account the refined site scattering and the coordination environment, a mixed (Cu,Ag) population
310 was proposed for the *Me2a* sub-site, whereas a mixed (Ag,Hg) occupancy was hypothesized for the
311 *Me2b* position. Indeed, the distorted octahedral coordination at the *Me2b* sub-site agrees with
312 known Hg coordinations, showing two short opposite bonds and four longer equatorial distances
313 (*e.g.*, rouxelite – Orlandi *et al.*, 2005).

314 *Me3* has a tetrahedral coordination (Fig. 6g), with two short bonds (2.39 and 2.41 Å), similar
315 to those occurring at the *Me2b* sub-site, two bonds at 2.61–2.62 Å, and two very long *Me*–S bonds

316 at 3.42 and 3.61 Å. The relatively large U_{eq} value could likely indicate the splitting of this site into
317 two sub-positions, similarly to *Me2*. However, any attempt did not result in an improvement of the
318 crystal structure refinement. Taking into account the refined site scattering, a mixed (Ag,Cu,Hg)
319 population was hypothesized.

320 Twenty-four independent S positions have been located in the crystal structure of
321 andreadiniite. Sulfur atoms display tetrahedral (IV), square pyramidal (V), or octahedral (VI)
322 coordinations. The BVS for S atoms (Table 8) range between 1.77 (S1) and 2.29 *v.u.* (S11). The
323 highest BVS (S11, S23) could indicate mean positions between various mixed or split cation sites
324 (Fig. 5).

325

326 4. Crystal chemistry of andreadiniite

327 4.1. Homologue number and slab composition

328 The crystal-chemical formula of andreadiniite, as obtained through the refinement of its
329 crystal structure, is $\text{Cu}_{1.14}\text{Ag}_{6.93}\text{Hg}_{0.89}\text{Pb}_{6.82}(\text{Sb}_{22.84}\text{As}_{1.38})_{\Sigma 24.22}\text{S}_{48}$ ($Z = 2$), with the relative error on
330 the valence equilibrium $Ev(\%)$, as defined in the footnote of Table 3, of +0.16. It agrees with the
331 chemical formula obtained through electron-microprobe analysis,
332 $\text{Cu}_{1.14}\text{Ag}_{7.12}\text{Tl}_{0.15}\text{Hg}_{0.94}\text{Pb}_{6.57}(\text{Sb}_{22.68}\text{As}_{1.41})_{\Sigma 24.09}\text{S}_{47.33}$. Following the calculation procedure for the
333 order N and the $\text{Ag}^+ + \text{Me}^{3+} = 2 \text{Pb}^{2+}$ substitution for members of the lillianite homologous series
334 proposed by Makovicky & Karup-Møller (1977), after subtracting Cu, Tl, Hg, and As according to
335 the substitutions $2\text{Cu}^+ + 2\text{Hg}^{2+} = 3\text{Ag}^+ + \text{Sb}^{3+}$, $\text{Tl}^+ + \text{Sb}^{3+} = 2\text{Pb}^{2+}$, and $\text{As}^{3+} = \text{Sb}^{3+}$, the homologue
336 order value from chemical analysis is 4.10, close to the crystallographic value $N = 4$. Thus,
337 andreadiniite is a $^{4,4}L$ lillianite homologue (Moëlo *et al.*, 2008), with two slabs having the same
338 octahedra number but distinct chemistry. Indeed, as described above, the crystal structure of
339 andreadiniite can be described as formed by three distinct modules, *i.e.* the (100) composition plane
340 and the *C* and *M* slabs. These modules have the following chemical compositions, as derived by the
341 crystal structure refinement:

342 i) (100) composition plane: $[(\text{Pb}_{3.41}\text{Sb}_{0.59})\text{S}_4]^{+0.59}$;

343 ii) *C* slab: $[(\text{Ag}_{1.52}\text{Cu}_{0.27}\text{Hg}_{0.21})_{\Sigma 2}(\text{Ag}_{0.35}\text{Sb}_{5.54}\text{As}_{0.11})_{\Sigma 6}\text{S}_{10}]^{-0.49}$;

344 iii) *M* slab: $[(\text{Ag}_{1.46}\text{Cu}_{0.30}\text{Hg}_{0.24})_{\Sigma 2}(\text{Ag}_{0.13}\text{Sb}_{5.29}\text{As}_{0.58})_{\Sigma 6}\text{S}_{10}]^{-0.02}$.

345 The chemical differences between the two slabs are related to the different As/(As+Sb)
346 atomic ratios. The *C* and *M* slabs have such a value corresponding to 0.02 and 0.10, respectively,
347 with As being preferentially hosted within the *M* slabs.

348

349 4.2. Crystal chemical analysis

350 The selection of Sb–S short bonds ($< 2.70 \text{ \AA}$ – Moëlo *et al.*, 2012) permits to enhance the
 351 classic trigonal pyramidal coordination of trivalent Sb. It reveals in the two slabs an infinite –Sb–S–
 352 zig-zag chain, corresponding to an Sb_4S_8 periodicity along **b** (Fig. 7). The same chain exists in
 353 quatrondorite. The *M* and *C* chains differ only by their As content, a little bit higher in *M* chain:
 354 $(\text{Sb}_{3.70}\text{As}_{0.30})\text{S}_8$ (*M*) against $(\text{Sb}_{3.89}\text{As}_{0.11})\text{S}_8$ (*C*). Such small As contents cannot explain the
 355 formation of two distinct slabs in andreadiniite.

356 These chains are completed by isolated groups (Fig. 8). In quatrondorite, it corresponds to
 357 Sb_2S_4 . In the *C* layer, it corresponds to $\text{Sb}(\text{Sb}_{0.66}\text{Ag}_{0.34})\text{S}_4$ and, in the *M* layer, to
 358 $(\text{Sb}_{0.72}\text{As}_{0.28})(\text{Sb}_{0.87}\text{Ag}_{0.13})\text{S}_4$. Taking into account the neighbouring cations (see also Fig. 5), it
 359 appears that Ag substituting Sb is correlated to Sb substituting Pb: $(\text{Pb}3a)^{2+} + (\text{Sb}6a)^{3+} \rightarrow (\text{Sb}3b)^{3+}$
 360 $+ (\text{Ag}6b)^+$ (*C*) and $(\text{Pb}2a)^{2+} + (\text{Sb}7a)^{3+} \rightarrow (\text{Sb}2b)^{3+} + (\text{Ag}7b)^+$ (*M*). Such a substitution rule induces
 361 a deficit of one positive valence, which is compensated by Hg^{2+} substituting Ag^+ in two
 362 neighbouring sites: *Me*2b (*C*), or *Me*3 (*M*). Thus, the whole substitution rule implies three cation
 363 sites: $\text{Pb}^{2+} + \text{Sb}^{3+} + \text{Ag}^+ \rightarrow \text{Sb}^{3+} + \text{Ag}^+ + \text{Hg}^{2+}$. The oversubstitution in andreadiniite, *i.e.* the
 364 replacement of Pb^{2+} by Sb^{3+} in the (100) composition plane, is correlated to the incorporation of
 365 Hg^{2+} within the layers. This justifies to consider Hg as a minor, but essential constituent of this
 366 sulfosalt (like Hg in rouxelite – Orlandi *et al.*, 2005). The lower size of Hg^{2+} relatively to Ag^+ (*Me*–
 367 S bond distances: 2.58 *versus* 2.66 Å in tetrahedral coordination) would explain the concentration of
 368 smaller Cu^+ (2.37 Å) on Hg-rich positions. However, it is not possible to prove that Cu acts as an
 369 essential constituent.

370 Due to its lower size and asymmetric triangular pyramidal coordination, Sb3b substituting
 371 Pb3b is shifted towards the *M* layer: it is the fundamental factor which governs the crystal chemical
 372 differentiation between the *M* and *C* layers. Minor Sb1 and Sb2b substituting Pb1 and Pb2a,
 373 respectively, may be related to OD phenomena (twinning and layer stacking disorder), as well as
 374 minor Ag7b (with Sb7a), and Hg substituting Ag1 and Ag4. Ideally, one would have s.o.f. 0.50/0.50
 375 for Pb3a/Sb3b and Sb6/Ag6, and all Hg (s.o.f. sum 0.50) quite equally shared between *Me*2b and
 376 *Me*3. Similarly, Cu could be equally shared (in a 0.25/0.25 ratio) between *Me*2a and *Me*3. On this
 377 basis, the ideal developed formula of andreadiniite would be $(\text{Pb}_{3.5}\text{Sb}_{0.5}) - M \text{ layer} - (\text{Sb}_{0.5}\text{Pb}_{3.5}) - C$
 378 layer, *i.e.* $(\text{Pb}_{3.5}\text{Sb}_{0.5})\text{S}_4 - [(\text{Sb},\text{As})_{11}\text{Ag}_3(\text{AgHg}_{0.5}\text{Cu}_{0.5})]\text{S}_{20} - (\text{Pb}_{3.5}\text{Sb}_{0.5})\text{S}_4 -$
 379 $[(\text{Sb},\text{As})_{12}\text{Ag}_2(\text{AgHg}_{0.5}\text{Cu}_{0.5})]\text{S}_{20}$.

381 4.3. Chemical peculiarities of andreadiniite

382 Andreadiniite shows some chemical peculiarities with respect to the classic compositional
 383 field of members of the andorite homeotypic series:

384 i) Cu content is notable (1.06 wt%), among the highest encountered so far. The occurrence
385 of this monovalent cation has been reported in previous studies (e.g., 4.6 wt% Cu in the study of
386 “nakaséite” by Ito & Muraoka, 1960). Mozgova *et al.* (1983) give 0.97 wt% Cu in andorite from
387 Baia Sprie (Romania). Moëlo *et al.* (1989) indicates up to 1.11 wt% Cu in a sample from Chazelles-
388 Le Ceroux (Haute-Loire, France), and 1.3 wt% Cu in a sample from El Mechero mine (Perù), in
389 close intergrowth with a Mn-rich derivative (2.1 wt% Mn). Roshchinite contains up to 0.94 wt% Cu
390 (Spiridonov *et al.*, 1990).

391 ii) Hg content is remarkable. Up to now, Hg was reported only in roshchinite (up to 0.77
392 wt% - Spiridonov *et al.*, 1990). Its occurrence at Monte Arsiccio agrees with the Hg-rich nature of
393 several sulfides and sulfosalts occurring in the ore assemblages;

394 iii) the Tl content is small but significant and it was not reported in previous analyses. It is
395 another peculiarities of the Monte Arsiccio ore deposit, showing some Tl-bearing varieties of Tl-
396 free sulfosalts (e.g., rouxelite and chovanite – Biagioni *et al.*, 2014c, 2017b);

397 iv) the As content is relatively high. Higher As contents were reported by Moëlo *et al.*
398 (1989) from two Peruvian deposits (up to 4.5 wt%) and from Jas Roux (France), where Mantienn
399 (1974) first noted the occurrence of the As-to-Sb substitution (As = 2.6 wt%). Recently, three As-
400 rich members of the andorite series have been described, *i.e.* menchettiite (As = 9.27 wt% - Bindi *et*
401 *al.*, 2012), arsenquatrandorite (ideal As content = 6.56 wt% - Topa *et al.*, 2013a), and jasrouxite (As
402 = 12.77 wt% - Topa *et al.*, 2013b).

403

404 **4.4. Andreadiniite within the andorite homeotypic series**

405 The simplified chemical formula of the members of the andorite group is $\text{Ag}_x\text{Pb}_{3-2x}\text{Sb}_{2+x}\text{S}_6$.
406 Within this series, the classification of the minerals can be indicated by the percentage of the
407 andorite component And_n , where $n(\%) = 100x$. In andreadiniite, ideally $\text{Ag}_{8.5}\text{Pb}_7\text{Sb}_{24.5}\text{S}_{48}$, $n =$
408 106.25 (107.1 if one takes into account the empirical formula).

409 In the andorite homeotypic series, on the basis of $S = 96$ atoms, mineral species have
410 composition close to integer values of m in the general formula $\text{Ag}_{16-m}\text{Pb}_{16+2m}\text{Sb}_{48-m}\text{S}_{96}$, where $m =$
411 $16 \times [1-(n/100)]$ For instance, one has the following:

- 412 • uchucchacuaite and menchettiite: $m \sim 8 \rightarrow \text{And}_{50}$;
- 413 • fizélyite: $m \sim 6 \rightarrow \text{And}_{62.5}$;
- 414 • ramdohrite: $m \sim 5 \rightarrow \text{And}_{68.75}$;
- 415 • quatrandorite: $m \sim 1 \rightarrow \text{And}_{93.75}$;
- 416 • senandorite: $m \sim 0 \rightarrow \text{And}_{100}$;
- 417 • arsenquatrandorite: $m \sim -2 \rightarrow \text{And}_{112.5}$;

418 • roshchinite: $m \sim -3 \rightarrow \text{And}_{118.75}$

419 • jasrouxite: $m \sim -5 \rightarrow \text{And}_{131.25}$.

420 For andreadiniite, the n value (107.1) is close to the ideal value corresponding to $m = -1$, *i.e.*
421 $\text{And}_{106.25}$, with ideal formula $\text{Ag}_{17}\text{Pb}_{14}\text{Sb}_{49}\text{S}_{96}$, *i.e.* $\text{Ag}_{8.5}\text{Pb}_7\text{Sb}_{24.5}\text{S}_{48}$ ($Z = 2$). It thus corresponds to a
422 new member in the sequence.

423 Homeotypes with n values greater than 100% (*i.e.*, $x > 1$) correspond to the so-called
424 “oversubstituted” andorite derivatives, where $(2x - 1)$ Pb is replaced by Sb. Despite the same
425 superstructure ($4\times$) along the 4.25 Å axis, andreadiniite is distinct from quatranderite, which is
426 “undersubstituted” ($\text{And}_{93.75}$) and presents an immiscibility gap with the intermediate member
427 senanderite (And_{100}). Andreadiniite is a close homeotype (same supercell and same space group) of
428 arsenquatranderite (Topa *et al.*, 2013a), an As-rich oversubstituted andorite member ($\sim \text{And}_{112.5}$).
429 Nevertheless, andreadiniite is As-poor; moreover, Hg substituting Ag clearly favour its
430 stabilization, while the role played by Cu is questionable. Andreadiniite has an oversubstitution
431 value close to that of “nakaséite” ($\text{And}_{107.2}$ – Ito & Muraoka, 1960), a copper-rich oversubstituted
432 andorite that corresponds to a disordered intergrowth of two members with four-fold and six-fold
433 superstructures (Moëlo *et al.*, 1989).

434

435 **4.5. Sb- versus Bi-rich members of the 4^4L homologue type**

436 It is interesting to compare andreadiniite to the other members of the 4^4L lillianite
437 homologous series on the basis of the unit-cell parameters of their common primitive sub-cells.
438 Table 9 gives the following three values for 47 minerals and synthetic compounds: *i*) the elongation
439 sub-parameter A_E , *ii*) the layer parameter A_L , and *iii*) the ribbon parameter $A_{\text{Rcorr}} = (A_R \times \sin\beta)$,
440 taking into account the high obliquity of some species, having β close to 107-108°. Through the
441 combination of two of these parameters, three diagrams have been obtained (Fig. 9).

442 Figure 9a shows the relationships between A_L and A_{Rcorr} . There is a regular increase of the
443 two parameters for the compounds of the Ag-Pb-(Sb,As,Bi) sub-system, from arsenquatranderite to
444 gustavite. One anomaly is represented by “andorite-As” from Jas Roux, owing to its high As
445 content. On the contrary, the Pb-Bi rich compounds (lillianite and xilingolite) show a significant A_L
446 increase with a relatively constant A_{Rcorr} parameter, relatively to gustavite.

447 The relationships between A_E and A_{Rcorr} are shown in Figure 9b, where four distinct areas
448 can be identified. Two main areas correspond to the andorite sub-group on one hand and, on the
449 other hand, to Bi-rich compounds. Jasrouxite and synthetic $\text{LiPbSb}_3\text{S}_6$ have an intermediate
450 position. Fizélyite and ramdohrite occupy a restricted area. The fourth area has been delimited to
451 join Mn-rich compounds. Curiously, ramdohrite from the type locality (Sud-Chichas, Potosi,

452 Bolivia), as characterized by Nuffield (1945), belongs to this field and not to the fizélyite-
453 ramdohrite field. It is very close to “ramdohrite-(Fe,Mn)” of Moëlo *et al.* (1989) (see also Fig. 9a).
454 Clearly, the sample of ramdohrite examined by Nuffield (1945) is distinct from ramdohrite studied
455 by Makovicky *et al.* (2013) and could correspond to a distinct mineral species, having a specific
456 name. A careful re-examination of a type specimen of ramdohrite, collecting new electron
457 microprobe data as well as single-crystal X-ray diffraction data, would be necessary, to check its
458 possible heterogeneity, looking for the occurrence of small minor cation(s) explaining the shorter
459 A_R parameter.

460 The A_E and A_L parameters are compared in Figure 9c. A regular distribution of compounds
461 within a crescent, from uchucchacuaite (long A_E , short A_L) to lillianite-xilingolite (short A_E , long
462 A_L), occur. Only three exotic synthetics, *i.e.* $\text{LiPbSb}_3\text{S}_6$, $\text{AgMnSb}_3\text{S}_6$, and $\text{Sn}_3\text{Bi}_2\text{Se}_6$, are outside this
463 area.

464 These three figures indicate a distinct crystal chemical role between (Sb,As)- and Bi-rich
465 compounds. Antimony, together with As, favors the elongation of the structures, with an A_E sub-
466 parameter longer than the (110) periodicity of galena (4.196 Å); on the contrary, Bi favors an
467 increase of the length of the two other sub-parameters, especially A_L . This opposition is the most
468 marked for the highest contents of divalent cations (Pb, Mn, Sn): fizélyite-ramdohrite and
469 uchucchacuaite on the one hand ($A_E = 4.34 - 4.38$ Å, $A_L = 19.23 - 19.36$ Å), and, on the other hand,
470 lillianite-xilingolite ($A_E = 4.12 - 4.09$ Å, $A_L = 20.45 - 20.66$ Å).

471

472 5. Conclusion

473 Andreadiniite is a new $^{4,4}L$ oversubstituted member of the andorite series. Its complex
474 crystal chemistry brings new data useful for the knowledge of the lillianite homologous series and
475 reveals the critical role played by Hg, in relationship with the oversubstitution due to Sb, for the
476 stabilization of this new species.

477 This study confirms the close relationships between the minor components occurring in
478 sulfosalts and the geochemistry of the ore bodies. Indeed, andreadiniite has a very intriguing
479 chemical composition, showing the occurrence, together with major Ag, Pb, and Sb, of minor Cu,
480 Hg, Tl, and As. In this way, it reflects the geochemical complexity of the Monte Arsiccio ore
481 deposit, as previously noted for other sulfosalt species. The occurrence of Hg, Tl, and As within a
482 member of the andorite series agrees with the (Hg,Tl,As)-rich nature of the Monte Arsiccio ores,
483 and agrees with previous studies showing the unusual occurrence of these elements in virtually
484 (Pb/Sb)-pure sulfosalts, *e.g.*, chovanite (Biagioni & Moëlo, 2017b).

485 In this respect, the accurate crystal-chemical characterization of sulfosalts may allow not
486 only the more accurate knowledge of sulfosalt mineralogy but it may provide useful insights into
487 the geochemistry and physical-chemical conditions of the crystallizing environment. Andreadiniite
488 is a nice example of this statement, perfectly mirroring the ore geochemistry of Monte Arsiccio
489 mine, where major Pb and Sb were combined to minor Cu, Ag, Hg, Tl, and As to produce a large
490 series of rare and new sulfosalt species.

491

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496

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658

659 **Table captions**

660 **Table 1** – Members of the andorite branch within the lillianite homologous series. Unit-cell
661 parameters are given as A_E (elongation axis), A_L (layer stacking axis), and A_R (ribbon stacking axis).

662 **Table 2** – Reflectance data (%) for andreadiniite in air.

663 **Table 3** – Electron microprobe analyses of andreadiniite: chemical composition as wt% and
664 chemical formula (in atoms per formula unit, apfu) on the basis of $\Sigma Me = 40$ apfu.

665 **Table 4** – X-ray powder diffraction data for andreadiniite. Intensities and d_{hkl} were calculated using
666 the software *PowderCell* 2.3 (Kraus and Nolze, 1996) on the basis of the structural model given in
667 Table 6. The seven strongest reflections are given in bold. Only reflections with $I_{calc} \geq 10$ are
668 reported, if not observed. Observed intensities are visually estimated (s = strong; ms = medium-
669 strong; m = medium; mw = medium-weak; w = weak).

670 **Table 5** – Crystal data and summary of parameters describing data collection and refinement for
671 andreadiniite.

672 **Table 6** – Atomic coordinates, site occupation factors, and equivalent isotropic displacement
673 parameters (\AA^2) for andreadiniite.

674 **Table 7** – Atomic coordinates, site occupation factors, and equivalent isotropic displacement
675 parameters (\AA^2) for andreadiniite.

676 **Table 8** – Bond valence sums (BVS – in valence unit, *v.u.*) for S atoms in andreadiniite.

677 **Table 9** – Elongation sub-parameter A_E , ribbon corrected parameter A_{Rcorr} , and layer parameter A_L
678 (in \AA) in members of the $^{4,4}L$ lillianite homologous series.

679

680 **Figure captions**

681 **Figure 1** – Andreadiniite as black metallic masses in quartz vein. Sant’Olga level, Monte Arsiccio
682 mine. Collection Museo di Storia Naturale, University of Pisa.. Catalogue number 19688.

683 **Figure 2** – Reflectance spectra of andreadiniite.

684 **Figure 3** – Unit-cell content of andreadiniite, as seen down **b**. Rectangle: fragment selected for the
685 description of cation ordering along **b** in Fig. 5 (with arrow projection along **-c**).

686 **Figure 4** – General organization of andreadiniite, as seen down **b**. The central (*C*) and marginal (*M*)
687 slabs are shown, separated by the (100) composition planes. Within each slab, (100)_{PbS} atomic
688 layers occur (one of them is shown by the black dashed line). Lone electron-pair micelles are shown
689 as light blue ellipses.

690 **Figure 5** – Cation columns in the *C* (left) and *M* (right) slabs, with the central (100) composition
691 plane (CCP).

692 **Figure 6** – Coordination of Ag/Cu/Hg-bearing sites in andreadiniite.

693 **Figure 7** – –Sb–S– zigzag chains with Sb₄S₈ periodicity in *C* and *M* layers of andreadiniite, and in
694 quatrandorite.

695 **Figure 8** – Sb₂S₄ isolated group in quatrandorite, and its derivatives in *C* and *M* layers of
696 andreadiniite.

697 **Figure 9** – Relationships between A_E , A_L , and $A_{R_{\text{corr}}}$ parameters in members of the ^{4,4}*L* lillianite
698 homologous series.

699

700 **Table 1** – Members of the andorite branch within the lillianite homologous series. Unit-cell parameters are given as A_E (elongation axis), A_L (layer
701 stacking axis), and A_R (ribbon stacking axis).

Mineral	Chemical formula	A_E (Å)	A_L (Å)	A_R (Å)		V (Å ³)	S.G.	Z	Ref.
$n = 2$									
Fizélyite	$Ag_{2.5}Pb_7Sb_{10.5}S_{24}$	8.72	19.28	13.23		90.40 (A_E/A_L)	$P2_1/n$	2	[1]
Jasrouxite	$Ag_{5.33}Pb_{1.33}(Sb_{8.33}As_5)_{\Sigma 13.33}S_{24}$	8.29	19.10	19.49	89.73	83.45	$P-1$	3	[2]
Menchettiite	$Mn_{3.2}Ag_2Pb_{4.8}(Sb_6As_4)_{\Sigma 10}S_{24}$	8.48	19.23	12.63		90.08 (A_E/A_L)	$P2_1/n$	2	[3]
Ramdohrite	$Cd_{0.5}Ag_{2.75}Pb_6Sb_{10.75}S_{24}$	8.74	19.31	13.05		90.18 (A_E/A_L)	$P2_1/n$	2	[4]
Uchucchacuaite	$Mn_2Ag_2Pb_6Sb_{10}S_{24}$	8.76	19.36	12.73		90.06 (A_E/A_L)	$P2_1/n$	2	[5]
$n = 4$									
Andreadiniite	$CuAg_7HgPb_7Sb_{24}S_{48}$	17.01	19.10	13.00		90.08 (A_L/A_R)	$P2_1/c$	2	[6]
Arsenquatrandorite	$Ag_{8.8}Pb_{6.4}(Sb_{19.05}As_{5.75})_{\Sigma 24.8}S_{48}$	17.04	19.06	12.91		89.99 (A_L/A_R)	$P2_1/c$	2	[7]
Quatrandorite	$Ag_{7.5}Pb_9Sb_{23.5}S_{48}$	17.16	19.17	13.04		90.01 (A_L/A_R)	$P2_1/c$	2	[8]
Roshchinite	$(Ag,Cu)_{9.5}Pb_5Sb_{25.5}S_{48}$	16.93	19.05	12.95			$Pmna$ (?)	2	[9]
$n = 6$									
Senandorite	$AgPbSb_3S_6$	25.62	19.16	13.00			$Pn2_1a$	24	[10]

702 [1] Yang *et al.* (2009); [2] Makovicky & Topa (2014b); [3] Bindi *et al.* (2012); [4] Makovicky *et al.* (2013); [5] Yang *et al.* (2011); [6] this work; [7] Topa *et al.*
703 (2013a); [8] Nespolo *et al.* (2012); [9] Spiridonov *et al.* (1990); [10] Sawada *et al.* (1987).

704

705 **Table 2** – Reflectance data (%) for andreadiniite in air.

λ (nm)	R_{min}	R_{max}	λ (nm)	R_{min}	R_{max}
400	35.0	-	560	33.0	34.8
420	35.3	36.4	580	33.1	35.2
440	35.9	36.0	589	32.9	35.0
460	34.7	36.1	600	32.9	34.4
470	34.8	36.4	620	32.3	33.7
480	35.1	36.6	640	31.9	33.1
500	34.8	36.4	650	31.8	32.4
520	34.3	36.1	660	31.5	32.5
540	33.8	35.3	680	31.6	32.4
546	33.5	35.1	700	30.9	31.7

706

707

708 **Table 3** – Electron microprobe analyses of andreadiniite: chemical composition as wt% and
 709 chemical formula (in atoms per formula unit, apfu) on the basis of $\Sigma Me = 40$ apfu.

# 4634 (n = 7)			
Element	wt%	range	e.s.d.
Cu	1.06	1.03 – 1.09	0.02
Ag	11.25	11.05 – 11.56	0.18
Tl	0.45	0.31 – 0.58	0.09
Hg	2.76	2.59 – 2.87	0.14
Pb	19.95	19.76 – 20.26	0.16
As	1.55	1.51 – 1.64	0.05
Sb	40.45	40.24 – 40.81	0.21
S	22.23	22.05 – 22.42	0.11
Total	99.70	99.10 – 100.18	0.42
	apfu	range	e.s.d.
Cu	1.14	1.11 – 1.18	0.02
Ag	7.12	7.00 – 7.27	0.09
Tl	0.15	0.10 – 0.19	0.03
Hg	0.94	0.89 – 1.01	0.04
Pb	6.57	6.52 – 6.64	0.05
As	1.41	1.38 – 1.50	0.04
Sb	22.68	22.48 – 22.82	0.13
S	47.33	46.63 – 47.63	0.36
<i>Ev</i> *	1.1	0.6 – 2.2	0.6
Pb _{corr.**}	6.87	6.73 – 6.97	0.09
(As+Sb) _{corr.**}	23.93	23.73 – 24.10	0.15

710 *Relative error on the valence equilibrium (%), calculated as $[\Sigma(\text{val}+) - \Sigma(\text{val}-)] \times 100 / \Sigma(\text{val}-)$.

711 **Pb_{corr.} and (As+Sb)_{corr.} on the basis of the substitution $\text{Tl}^+ + (\text{Sb,As})^{3+} = 2\text{Pb}^{2+}$.

712

713 **Table 4** –X-ray powder diffraction data for andreadiniite. Intensities and d_{hkl} were calculated using
714 the software *PowderCell* 2.3 (Kraus and Nolze, 1996) on the basis of the structural model given in
715 Table 6. The seven strongest reflections are given in bold. Only reflections with $I_{\text{calc}} \geq 10$ are
716 reported, if not observed. Observed intensities are visually estimated (s = strong; ms = medium-
717 strong; m = medium; mw = medium-weak; w = weak).

I_{obs}	d_{obs}	I_{calc}	d_{calc}	hkl	I_{obs}	d_{obs}	I_{calc}	d_{calc}	hkl
		6	9.55	2 0 0			41	2.739	-3 4 3
		8	6.15	-1 0 2	ms	2.740	42	2.739	3 4 3
		9	6.14	1 0 2	mw	2.382	6	2.387	8 0 0
w	5.33	9	5.368	-2 0 2	ms	2.263	18	2.262	-7 4 1
		8	5.366	2 0 2	ms	2.263	17	2.261	7 4 1
w	4.04	12	4.044	0 4 1	ms	2.131	51	2.128	0 8 0
		13	3.846	-4 0 2	ms	2.092	15	2.093	-3 4 5
mw	3.851	13	3.844	4 0 2	ms	2.092	18	2.093	3 4 5
		39	3.724	-2 4 1	s	2.055	28	2.056	-8 4 1
ms	3.719	38	3.724	2 4 1	s	2.055	27	2.055	8 4 1
		60	3.414	-3 4 1	m	2.010	19	2.010	-4 4 5
s	3.406	66	3.413	3 4 1	m	2.010	23	2.010	4 4 5
		99	3.292	-5 0 2	m	1.969	11	1.971	-4 0 6
s	3.277	100	3.291	5 0 2	m	1.969	12	1.970	4 0 6
		39	3.245	0 0 4	mw	1.909	16	1.909	10 0 0
		14	3.199	-1 0 4			9	1.883	-5 0 6
m	3.199	15	3.199	1 0 4	ms	1.878	9	1.882	5 0 6
		10	3.182	6 0 0			13	1.876	-8 4 3
		10	3.034	0 4 3			15	1.876	8 4 3
		36	2.997	-1 4 3	mw	1.819	7	1.819	-6 4 5
m	2.996	36	2.996	1 4 3	mw	1.819	8	1.818	6 4 5
		83	2.892	-2 4 3	s	1.788	24	1.787	-5 8 2
s	2.885	77	2.891	2 4 3	s	1.788	14	1.780	5 8 2
		18	2.858	-6 0 2					
		22	2.857	6 0 2					

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719

720 **Table 5** – Crystal data and summary of parameters describing data collection and refinement for
 721 andreadiniite.

Crystal data	
Crystal size (mm)	0.15 x 0.08 x 0.07
Cell setting, space group	Monoclinic, $P2_1/c$
a (Å)	19.0982(14)
b (Å)	17.0093(11)
c (Å)	13.0008(10)
β (°)	90.083(4)
V (Å ³)	4223.3(5)
Z	2
Data collection and refinement	
Radiation, wavelength (Å)	Mo $K\alpha$, $\lambda = 0.71073$
Temperature (K)	293
$2\theta_{\max}$	60.13
Measured reflections	51772
Unique reflections	11259
Reflections with $F_o > 4\sigma(F_o)$	9756
R_{int}	0.0372
$R\sigma$	0.0362
Range of h, k, l	$-26 \leq h \leq 25,$ $-23 \leq k \leq 23,$ $-18 \leq l \leq 18$
$R [F_o > 4\sigma(F_o)]$	0.0672
R (all data)	0.0813
wR (on F_o^2)	0.2329
Goof	1.045
Number of least-squares parameters	424
Maximum and minimum residual peak (e Å ⁻³)	6.57 (at 0.72 Å from Sb10) -3.58 (at 0.83 Å from Sb12)

729 **Table 6** – Atomic coordinates, site occupation factors, and equivalent isotropic displacement
 730 parameters (\AA^2) for andreadiniite.

Site	s.o.f.	x	y	z	U_{eq}
Pb1	Pb _{0.93(1)} Sb _{0.07(1)}	0.24324(5)	0.82630(4)	0.57214(7)	0.0256(3)
Pb2a	Pb _{0.91(1)}	0.25351(8)	0.30713(6)	0.59629(12)	0.0379(4)
Sb2b	Sb _{0.09(1)}	0.2280(16)	0.3132(12)	0.559(2)	0.0379(4)
Pb3a	Pb _{0.57}	0.2536(2)	0.0692(3)	0.5853(4)	0.0345(8)
Sb3b	Sb _{0.43}	0.2671(6)	0.0774(8)	0.5689(11)	0.0345(8)
Pb4	Pb _{1.00}	0.25073(6)	0.93766(6)	0.08417(10)	0.0424(3)
Sb1	Sb _{0.89(2)} As _{0.11(2)}	0.12259(8)	0.69087(7)	0.34350(12)	0.0190(4)
Sb2	Sb _{0.90(2)} As _{0.10(2)}	0.95600(7)	0.30308(7)	0.38945(11)	0.0168(4)
Sb3	Sb _{0.89(2)} As _{0.11(2)}	0.44830(8)	0.81494(7)	0.12021(10)	0.0159(4)
Sb4	Sb _{1.00}	0.44620(8)	0.18511(7)	0.62200(11)	0.0200(3)
Sb5	Sb _{1.00}	0.05716(7)	0.32602(7)	0.13436(11)	0.0185(3)
Sb6a	Sb _{0.65(1)}	0.3605(3)	0.1901(2)	0.3682(4)	0.0355(10)
Ag6b	Ag _{0.35(1)}	0.3702(6)	0.1846(6)	0.3340(9)	0.0355(10)
Sb7a	Sb _{0.87(2)}	0.14808(13)	0.0674(2)	0.8704(3)	0.0181(6)
Ag7b	Ag _{0.13(2)}	0.1412(8)	0.0496(12)	0.8450(18)	0.0181(6)
Sb8	Sb _{0.72(2)} As _{0.28(2)}	0.05928(9)	0.06523(8)	0.11878(12)	0.0180(4)
Sb9	Sb _{1.00}	0.37544(8)	0.93582(8)	0.34789(12)	0.0212(3)
Sb10	Sb _{1.00}	0.44434(8)	0.92558(8)	0.63047(12)	0.0245(3)
Sb11	Sb _{0.91(2)} As _{0.09(2)}	0.04673(7)	0.56193(7)	0.11881(11)	0.0166(4)
Sb12	Sb _{1.00}	0.54534(8)	0.94170(8)	0.88283(12)	0.0259(3)
Ag1	Ag _{0.97(1)} Hg _{0.03(1)}	0.35780(13)	0.81260(10)	0.8457(2)	0.0432(8)
Me2a	Cu _{0.30} Ag _{0.25}	0.1472(5)	0.1850(6)	0.3215(5)	0.0382(10)
Me2b	Ag _{0.28} Hg _{0.17}	0.1339(3)	0.1766(4)	0.3549(4)	0.0382(10)
Me3	Ag _{0.55} Cu _{0.27} Hg _{0.18}	0.35972(14)	0.05602(13)	0.8296(2)	0.0598(8)
Ag4	Ag _{0.93(1)} Hg _{0.07(1)}	0.13127(12)	-0.06206(12)	0.33556(17)	0.0451(8)
S1	S _{1.00}	0.3998(3)	0.6978(3)	0.0209(4)	0.0225(10)
S2	S _{1.00}	0.0166(3)	0.1998(2)	0.2931(4)	0.0208(9)
S3	S _{1.00}	0.1055(3)	0.1682(2)	0.0047(4)	0.0196(9)
S4	S _{1.00}	0.1545(3)	0.7935(3)	0.2149(4)	0.0190(9)
S5	S _{1.00}	0.0956(2)	0.6490(2)	0.9898(4)	0.0180(9)
S6	S _{1.00}	0.4988(3)	0.8368(3)	0.7593(6)	0.0329(14)
S7	S _{1.00}	0.1706(3)	0.3135(3)	0.2236(4)	0.0248(11)
S8	S _{1.00}	0.2336(3)	0.6923(3)	0.4318(5)	0.0216(10)
S9	S _{1.00}	0.4071(3)	0.2913(3)	0.5095(5)	0.0274(11)
S10	S _{1.00}	0.3403(3)	0.1845(3)	0.7235(4)	0.0213(10)
S11	S _{1.00}	0.2419(4)	0.1919(3)	0.4439(5)	0.0304(12)
S12	S _{1.00}	0.3419(3)	0.8218(3)	0.2357(4)	0.0202(9)
S13	S _{1.00}	0.0985(3)	0.9620(2)	0.0064(4)	0.0191(9)
S14	S _{1.00}	0.0022(2)	0.4108(2)	0.2671(4)	0.0157(8)
S15	S _{1.00}	0.3434(3)	0.0439(3)	0.2215(4)	0.0246(10)
S16	S _{1.00}	0.0971(3)	0.4414(3)	0.0268(4)	0.0221(10)
S17	S _{1.00}	0.1539(3)	0.5770(3)	0.2315(4)	0.0206(9)
S18	S _{1.00}	0.4822(3)	0.0450(3)	0.7878(6)	0.0333(13)
S19	S _{1.00}	0.2587(3)	0.9481(3)	0.4276(4)	0.0248(10)
S20	S _{1.00}	0.4002(3)	0.9087(3)	-0.0015(4)	0.0209(10)
S21	S _{1.00}	0.4019(3)	0.0832(4)	0.5026(4)	0.0268(11)
S22	S _{1.00}	0.1613(3)	0.0572(3)	0.2271(4)	0.0240(10)
S23	S _{1.00}	0.2656(3)	0.0640(3)	0.9504(5)	0.0265(11)
S24	S _{1.00}	0.3310(3)	0.9342(3)	0.7137(4)	0.0226(10)

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732 **Table 7** – Selected bond-distances (in Å) and bond-valence sums (in valence units) for metal sites in andreadiniite.

Pb1	– S19	2.814(6)	Pb2a	– S11	2.795(6)	Sb2b	– S3	2.46(3)	Pb3a	– S11	2.790(7)	Sb3b	– S11	2.581(14)
	– S8	2.924(5)		– S23	2.908(6)		– S11	2.56(2)		– S19	2.908(8)		– S21	2.718(13)
	– S5	3.043(5)		– S7	3.075(5)		– S23	2.62(2)		– S21	3.041(7)		– S19	2.869(16)
	– S1	3.091(5)		– S3	3.094(5)		– S7	3.23(2)		– S16	3.088(7)		– S10	3.051(15)
	– S24	3.091(5)		– S10	3.135(6)		– S22	3.36(2)		– S7	3.119(8)		– S7	3.301(15)
	– S17	3.150(5)		– S9	3.156(6)		– S9	3.50(3)		– S10	3.132(7)		– S16	3.308(14)
	– S4	3.237(5)		– S22	3.366(6)					– S24	3.200(7)		– S24	3.311(14)
	– S12	3.794(6)		– S15	3.465(6)					– S17	3.664(6)			
	average	3.143		average	3.126		average	2.55		average	3.118		average	3.020**
	BVS	1.94		BVS	1.96*		BVS	2.61*		BVS	2.05*		BVS	2.00*
Pb4	– S23	2.780(5)	Sb1	– S8	2.410(5)	Sb2	– S2	2.449(5)	Sb3	– S20	2.426(5)	Sb4	– S10	2.417(6)
	– S8	2.986(5)		– S4	2.493(5)		– S4	2.512(5)		– S12	2.532(6)		– S9	2.441(5)
	– S15	3.095(5)		– S17	2.496(5)		– S14	2.583(5)		– S1	2.548(5)		– S21	2.475(6)
	– S13	3.104(5)		– S2	3.198(6)		– S13	3.198(5)		– S18	2.977(6)		– S6	3.184(6)
	– S20	3.105(6)		– S54	3.362(4)		– S5	3.211(5)		– S9	3.262(6)		– S18	3.285(6)
	– S22	3.243(6)		– S13	3.385(5)		– S3	3.260(5)		– S6	3.295(6)		– S1	3.488(6)
	– S12	3.284(5)												
	– S4	3.506(5)												
	average	3.138		average	2.466		average	2.515		average	2.502		average	2.444
	BVS	1.89		BVS	3.04		BVS	2.80		BVS	2.95		BVS	3.36
Sb5	– S7	2.466(6)	Sb6a	– S11	2.471(9)	Ag6b	– S10	2.710(11)	Sb7a	– S23	2.472(7)	Ag7b	– S17	2.62(3)
	– S14	2.483(4)		– S21	2.642(7)		– S6	2.805(14)		– S3	2.579(6)		– S13	2.701(16)
	– S16	2.528(5)		– S9	2.668(8)		– S11	2.842(15)		– S13	2.691(5)		– S23	2.75(2)
	– S2	3.078(5)		– S10	2.868(7)		– S15	2.850(11)		– S7	2.818(6)		– S7	2.870(16)
	– S3	3.302(5)		– S15	3.151(7)		– S21	2.852(12)		– S17	3.050(7)		– S14	2.919(19)
	– S5	3.360(5)		– S6	3.193(9)		– S9	2.998(12)		– S14	3.113(5)		– S3	2.98(3)
	average	2.492		average	2.594		average	2.843		average	2.581		average	2.806
	BVS	3.05		BVS	2.70*		BVS	0.95*		BVS	2.90*		BVS	1.08*
Sb8	– S13	2.405(5)	Sb9	– S19	2.468(6)	Sb10	– S24	2.425(6)	Sb11	– S5	2.426(5)	Sb12	– S18	2.463(6)
	– S22	2.406(6)		– S12	2.510(6)		– S6	2.482(6)		– S17	2.528(6)		– S15	2.535(6)
	– S3	2.459(5)		– S15	2.540(6)		– S1	2.674(6)		– S16	2.562(5)		– S6	2.559(6)
	– S14	3.238(4)		– S1	3.230(5)		– S18	2.971(6)		– S2	2.877(5)		– S9	3.054(6)
	– S2	3.324(5)		– S21	3.254(6)		– S21	3.257(6)		– S14	3.324(4)		– S20	3.152(5)
	– S13	3.454(5)		– S18	3.259(7)		– S21	3.414(6)		– S16	3.333(6)		– S20	3.205(6)
	average	2.423		average	2.506		average	2.527		average	2.505		average	2.519
	BVS	3.12		BVS	2.93		BVS	2.96		BVS	3.00		BVS	2.98

Ag1	- S8	2.626(6)	Me2a	- S11	2.412(11)	Me2b	- S11	2.379(9)	Me3	- S23	2.393(6)	Ag4	- S22	2.537(6)
	- S20	2.696(6)		- S22	2.511(11)		- S2	2.412(8)		- S18	2.410(6)		- S5	2.583(5)
	- S12	2.712(5)		- S2	2.533(10)		- S22	2.676(8)		- S10	2.610(6)		- S19	2.716(6)
	- S24	2.734(6)		- S7	2.568(10)		- S7	2.972(8)		- S24	2.620(6)		- S14	2.913(5)
	- S6	2.947(7)		- S3	3.542(10)		- S16	3.085(7)		- S20	3.420(5)		- S4	2.949(5)
	- S1	3.105(6)		- S16	3.559(9)		- S3	3.326(8)		- S9	3.609(6)		- S16	3.290(6)
	average	2.803		average	2.506		average	2.610		average	2.508		average	2.831
	BVS	1.14		BVS	1.12*		BVS	1.84*		BVS	1.55		BVS	1.21

733 Notes: *i*) average bond distances for (Sb/As) sites were calculated taking into account *Me*-S distances shorter than 2.70 Å, the only exception being represented
734 by the Sb3b site, having only one *Me*-S distance shorter than 2.70 Å. *ii*) For sites with mixed occupancy, the BVS have been weighted according to the refined
735 s.o.f.. *iii*) For partially-occupied sites, the BVS has been calculated assuming a full-occupancy.
736

737 **Table 8** – Bond valence sums (BVS – in valence unit, *v.u.*) for S atoms in andreadiniite.

Site	BVS	Site	BVS
S1	1.77	S13	1.91
S2	2.07	S14	2.07
S3	2.08	S15	2.02
S4	2.01	S16	1.89
S5	1.90	S17	2.03
S6	2.16	S18	2.13
S7	1.88	S19	2.01
S8	2.01	S20	1.79
S9	1.95	S21	2.03
S10	2.04	S22	1.91
S11	2.29	S23	2.28
S12	1.98	S24	1.91

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740 **Table 9** – Elongation sub-parameter A_E , ribbon corrected parameter A_{Rcorr} , and layer parameter A_L
 741 (in Å) in members of the $^{4,4}L$ lillianite homologous series.

	A_E	A_{Rcorr}	A_L	Ref.		A_E	A_{Rcorr}	A_L	Ref.
Bi-rich compounds									
Sn ₃ Bi ₂ S ₆	4.162	13.64	21.21	[1]	AgPbBi ₃ S ₆	4.077	13.48	19.88	[9]
Pb ₃ Bi ₂ S ₆	4.110	13.52	20.61	[2]	Gustavite	4.110	13.55	19.45	[10]
	4.120	13.53	20.61	[3]		4.136	13.53	19.57	[11]
Lillianite	4.104	13.54	20.45	[4]	Clino-oscar Kempffite	4.111	13.51	19.69	[12]
	4.122	13.57	20.66	[5]		4.140	13.19	19.28	[13]
	4.115	13.53	20.63	[6]	Oscar Kempffite	4.145	13.20	19.33	[14]
Xilingolite	4.085	13.50	20.65	[7]	Terrywallaceite	4.194	13.31	19.35	[15]
Sb-rich gustavite	4.171	13.44	19.53	[8]					
Sb-rich compounds									
LiPbSb ₃ S ₆	4.197	13.12	19.79	[16]	Ag _{1.2} Sn _{0.9} Sb ₃ S ₆ ("Sn-andorite")	4.220	12.89	19.15	[25]
Fizélyite	4.36	13.14	19.23	[17]	AgPbSb ₃ S ₆	4.290	13.04	19.17	[25]
	4.354	13.16	19.26	[18]	"Andorite-Bi"	4.280	12.92	19.06	[26]
	4.340	13.21	19.27	[19]	"Andorite-As"	4.248	12.78	19.24	[27]
	4.360	13.23	19.28	[20]	Andreadiniite	4.253	13.00	19.10	[28]
"Ramdohrite"	4.290	12.99	19.21	[17]	Arsenquatranderite	4.260	12.91	19.06	[29]
Ramdohrite ?	4.360	12.64	19.23	[17]	Quatranderite	4.268	13.04	19.18	[19]
Ramdohrite-(Fe,Mn)	4.350	12.62	19.20	[19]		4.290	13.04	19.17	[30]
Ramdohrite	4.365	13.09	19.24	[19]	Roshchinite	4.233	12.95	19.05	[31]
	4.370	13.05	19.31	[21]	"Nakaséite"	4.260	13.02	19.18	[32]
Jasrouxite	4.146	12.99	19.10	[22]	Senandorite	4.300	13.00	19.15	[33]
"Andorite"	4.260	12.98	19.15	[17]		4.270	13.00	19.16	[34]
	4.290	13.03	19.15	[23]	4.265	13.01	19.19	[19]	
	4.246	13.00	19.17	[24]	AgMnSb ₃ S ₆	4.000	12.79	19.58	[35]
	4.303	12.99	19.15	[18]	Menchettiite	4.240	12.63	19.23	[36]
					Uchucchacuaite	4.380	12.73	19.36	[37]

742 [1] Chen & Lee (2010); [2] Otto & Strunz (1968); [3] Sugaki *et al.* (1974); [4] Tagaki & Takéuchi (1972); [5]
 743 Pinto *et al.* (2006); [6] Olsen *et al.* (2008); [7] Berlepsch *et al.* (2001); [8] Pažout & Dušek (2009); [9] Bente *et al.*
 744 *et al.* (1993); [10] Karup-Møller (1970); [11] Harris & Chen (1975); [12] Makovicky & Topa (2011); [13]
 745 Makovicky *et al.* (2017); [14] Topa *et al.* (2016); [15] Yang *et al.* (2013); [16] Agha *et al.* (2014); [17] Nuffield
 746 (1945); [18] Kašpar *et al.* (1983); [19] Moëlo *et al.* (1989); [20] Yang *et al.* (2009); [21] Makovicky *et al.*
 747 (2013); [22] Makovicky & Topa (2014b); [23] Donnay & Donnay (1954); [24] Organova *et al.* (1982); [25]
 748 Chang (1987); [26] Mozgova *et al.* (1987); [27] Mantiene (1974); [28] this work; [29] Topa *et al.* (2013a);
 749 [30] Nespolo *et al.* (2012); [31] Spiridonov *et al.* (1990); [32] Ito & Muraoka (1960); [33] Kawada & Hellner
 750 (1971); [34] Sawada *et al.* (1987); [35] Liu & Chang (1994); [36] Bindi *et al.* (2012); [37] Yang *et al.* (2011).

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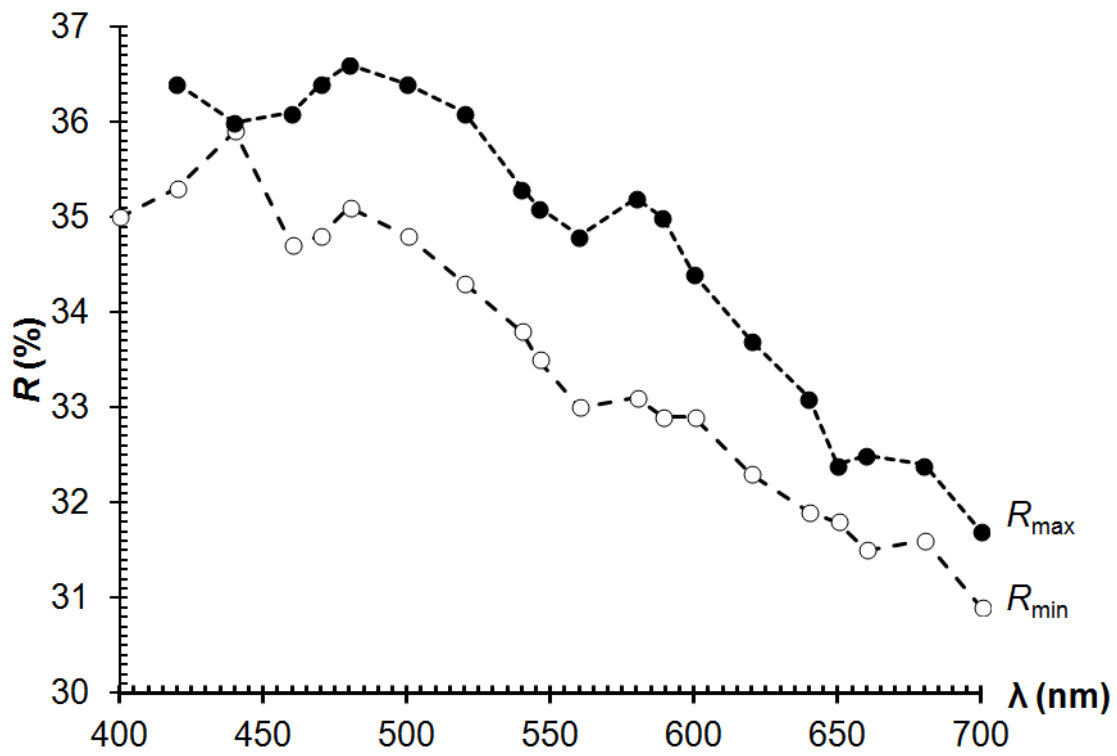
752 **Figure 1** – Andreadiniite as black metallic masses in quartz vein. Sant’Olga level, Monte Arsiccio
753 mine. Collection Museo di Storia Naturale, University of Pisa.. Catalogue number 19688.



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756 **Figure 2** – Reflectance spectra of andreadiniite.

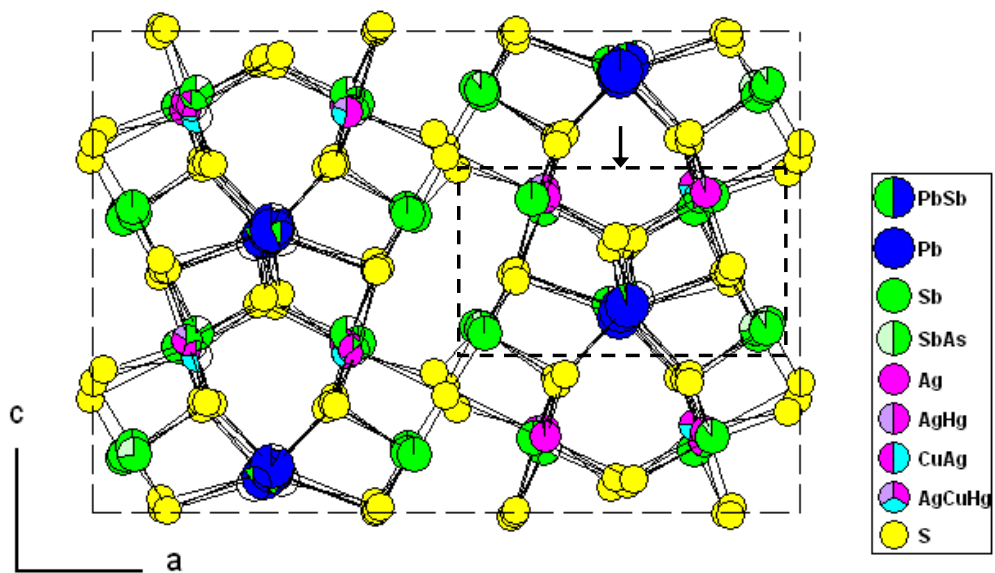


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759 **Figure 3** – Unit-cell content of andreadiniite, as seen down **b**. Rectangle: fragment selected for the
760 description of cation ordering along **b** in Fig. 5 (with arrow projection along $-c$).

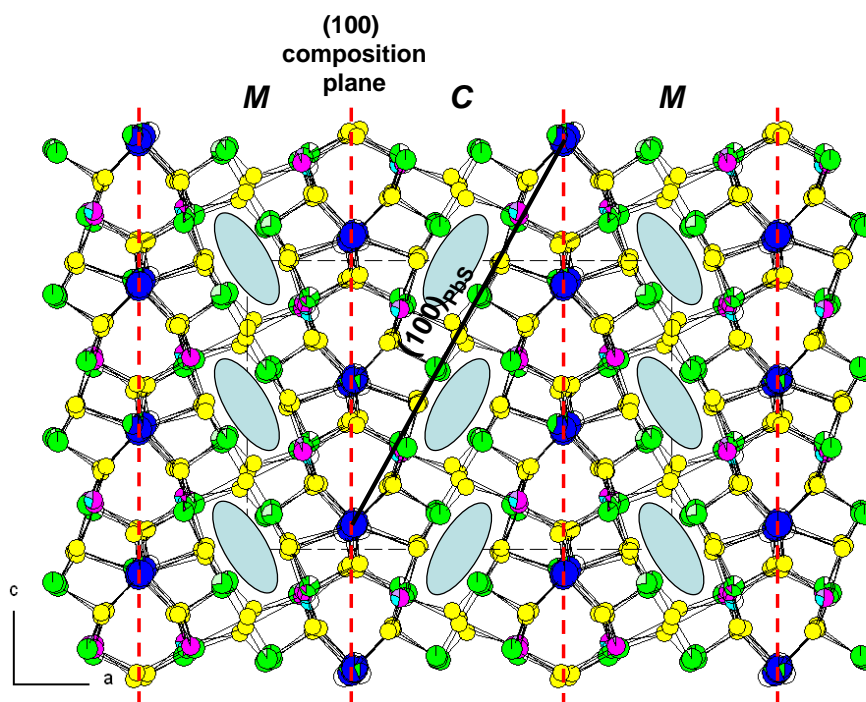
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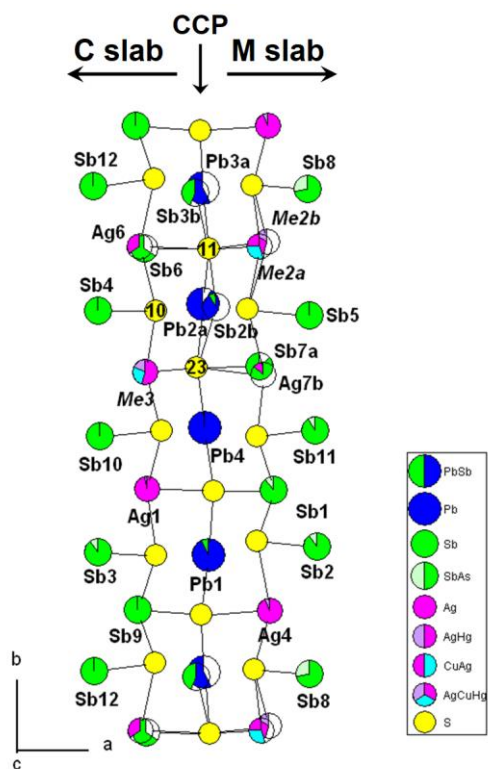
765 **Figure 4** – General organization of andreadiniite, as seen down **b**. The central (*C*) and marginal (*M*)
766 slabs are shown, separated by the (100) composition planes. Within each slab, (100)_{PbS} atomic
767 layers occur (one of them is shown by the black dashed line). Lone electron-pair micelles are shown
768 as light blue ellipses.

769

770



771 **Figure 5** – Cation columns in the *C* (left) and *M* (right) slabs, with the central (100) composition
 772 plane (CCP).

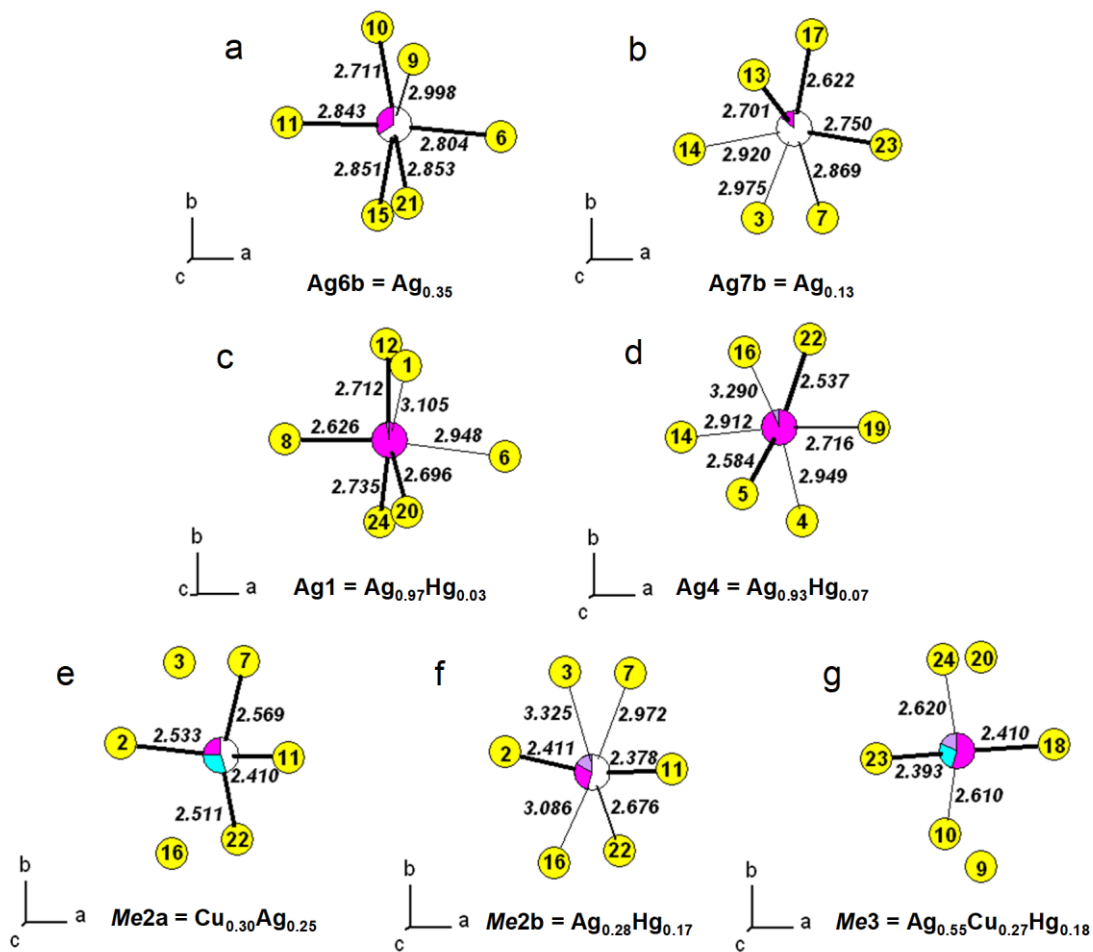


773

774

775 **Figure 6** – Coordination of Ag/Cu/Hg-bearing sites in andreadiniite.

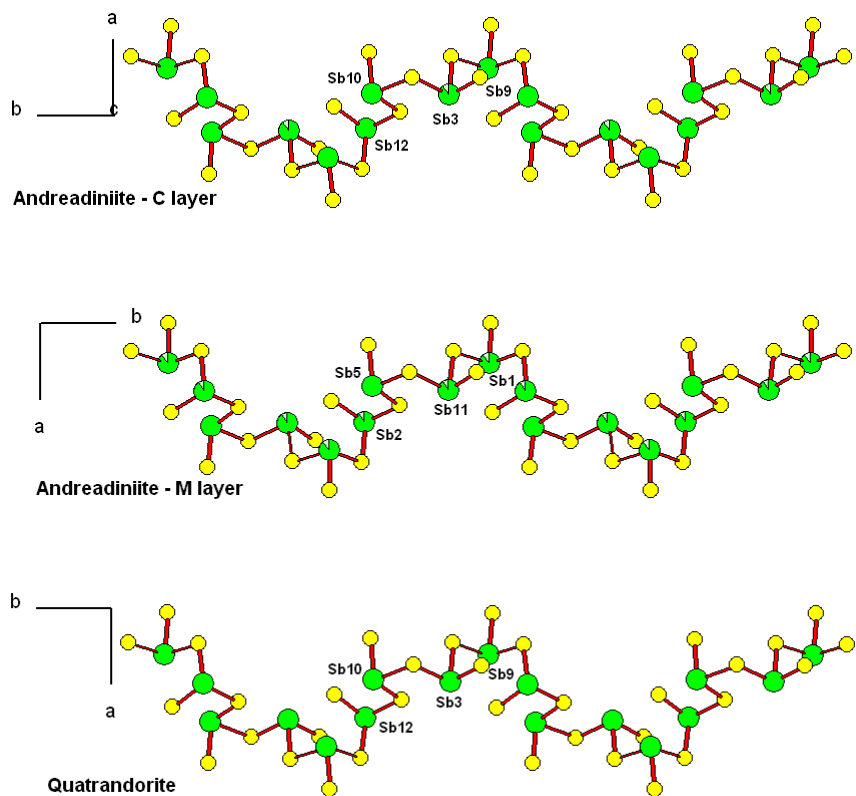
776



777

778

779 **Figure 7** – $-\text{Sb}-\text{S}-$ zigzag chains with Sb_4S_8 periodicity in *C* and *M* layers of andreadiniite, and in
780 quatrandorite.

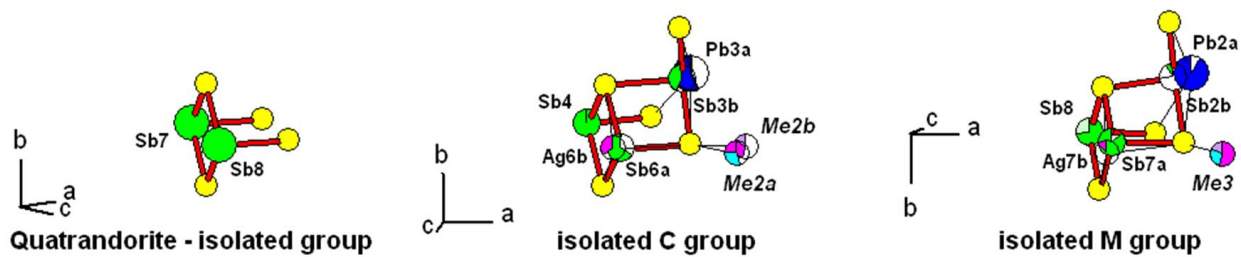


781

782

783

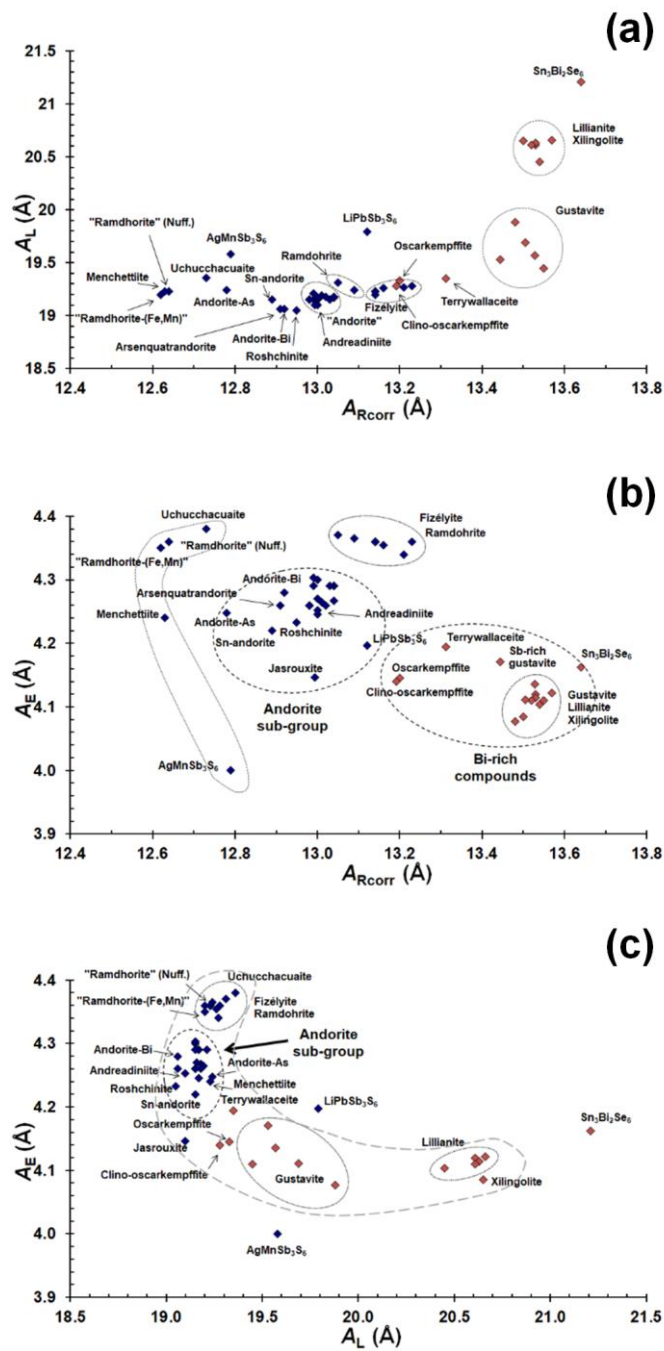
784 **Figure 8** – Sb_2S_4 isolated group in quatrandorite, and its derivatives in *C* and *M* layers of
785 andreadiniite.



786

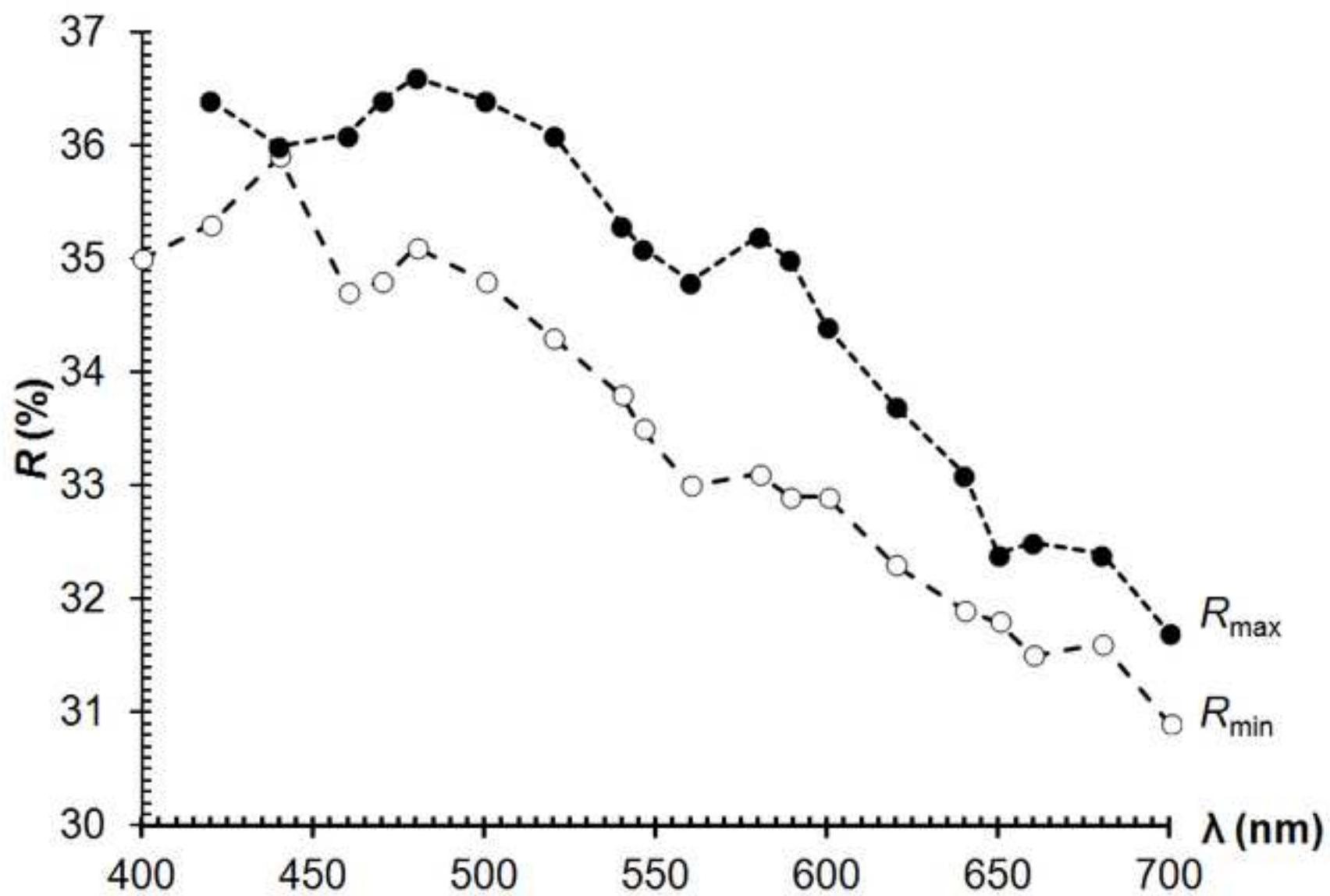
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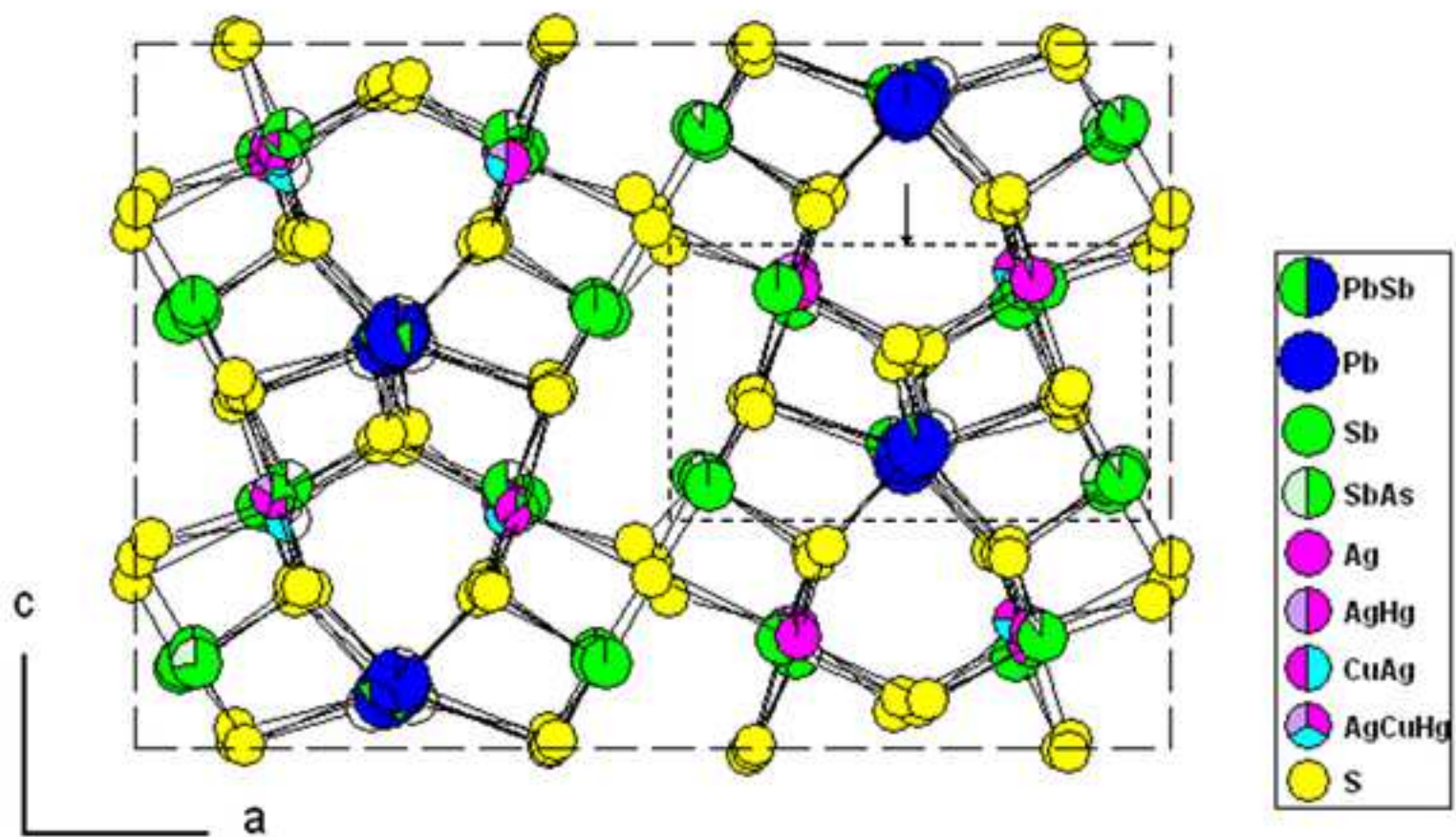
788 **Figure 9** – Relationships between A_E , A_L , and $A_{R_{CORR}}$ parameters in members of the $^{4,4}L$ lillianite
 789 homologous series.

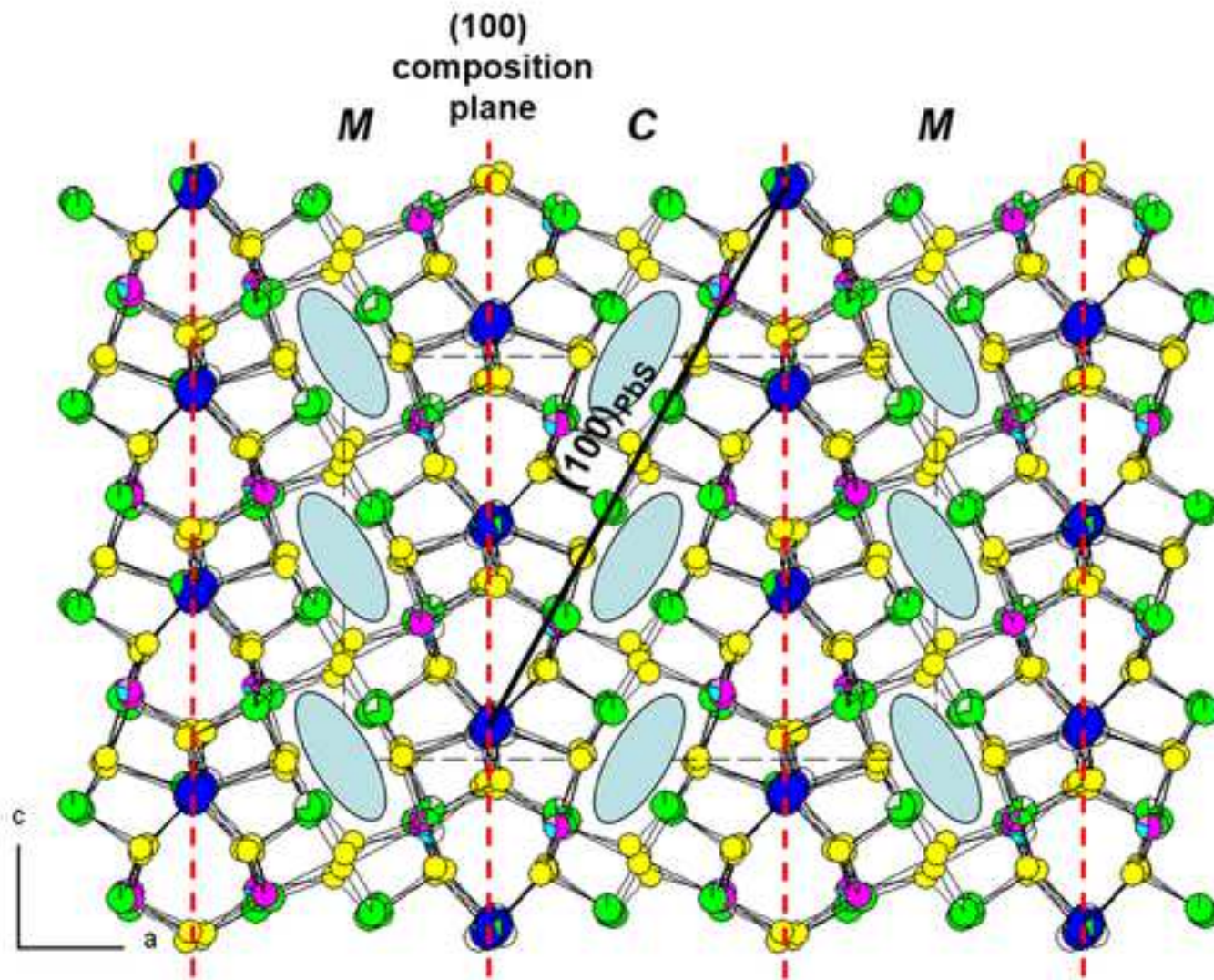


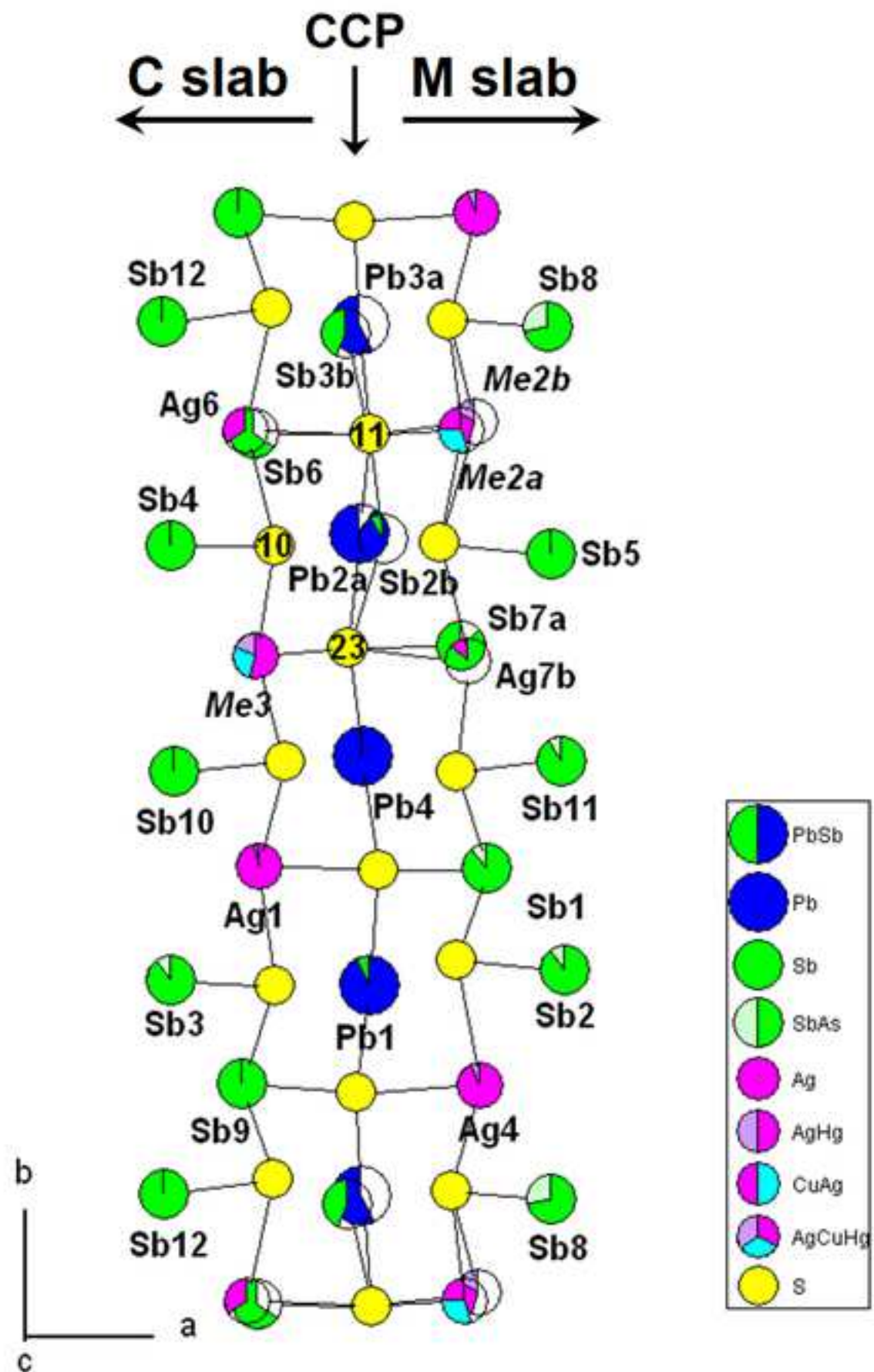
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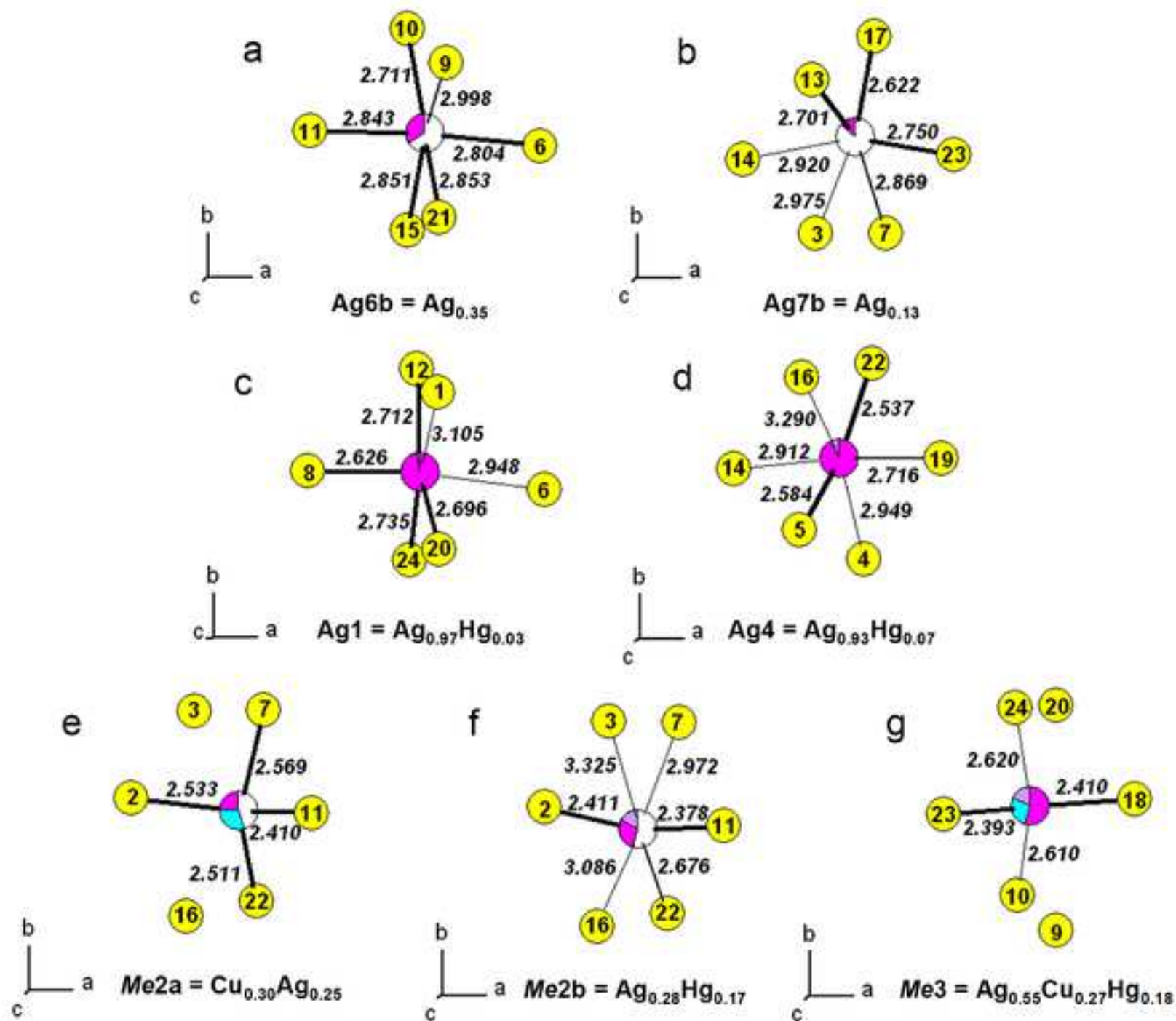


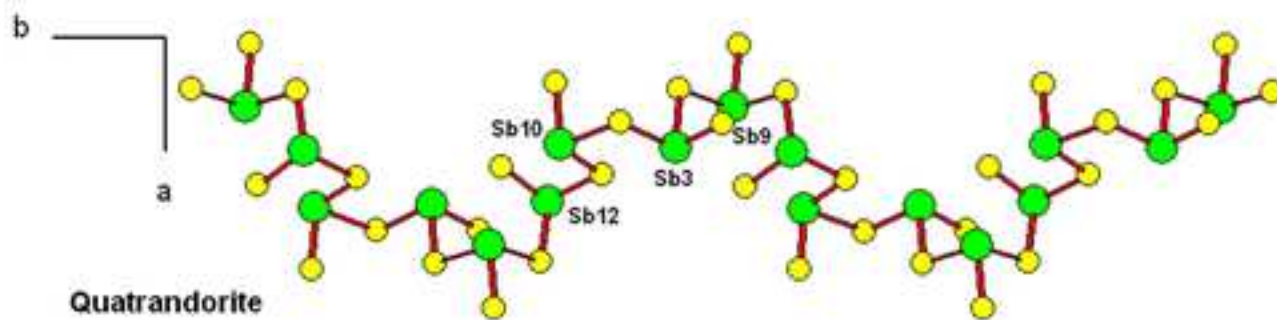
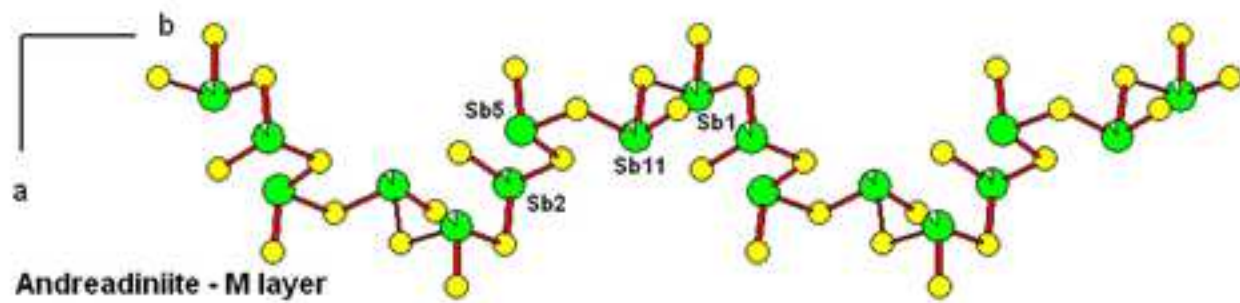
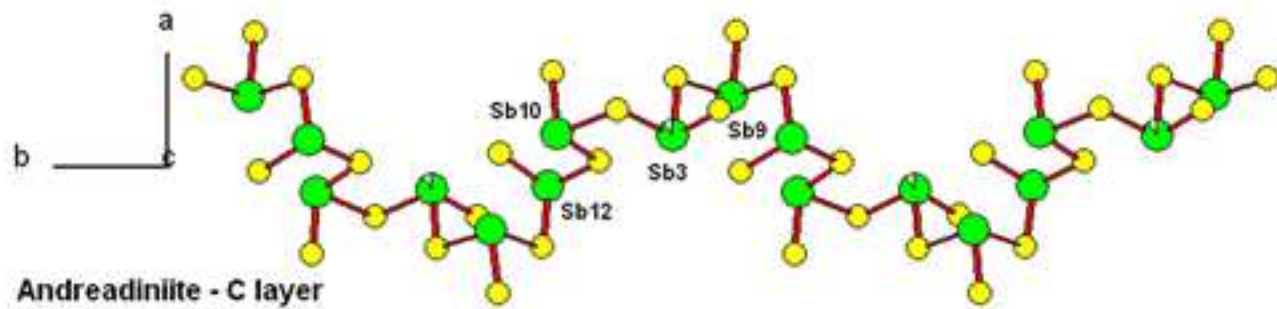


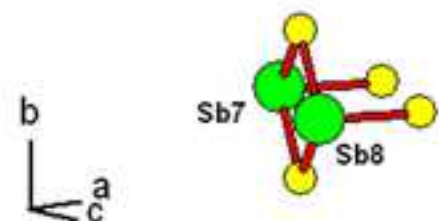




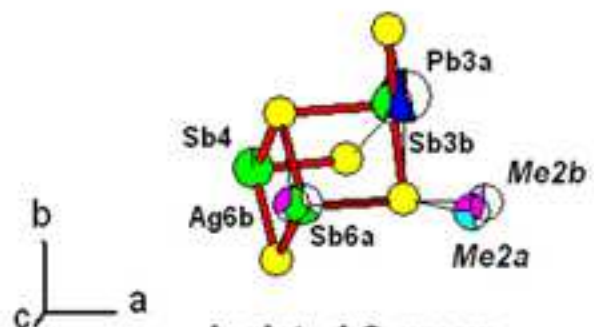




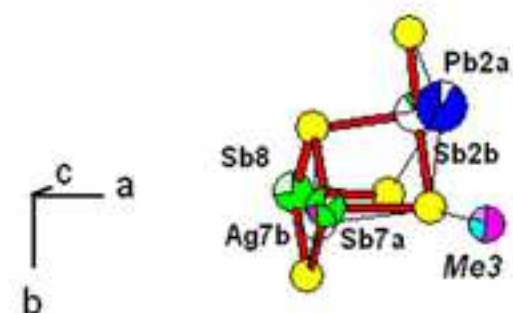




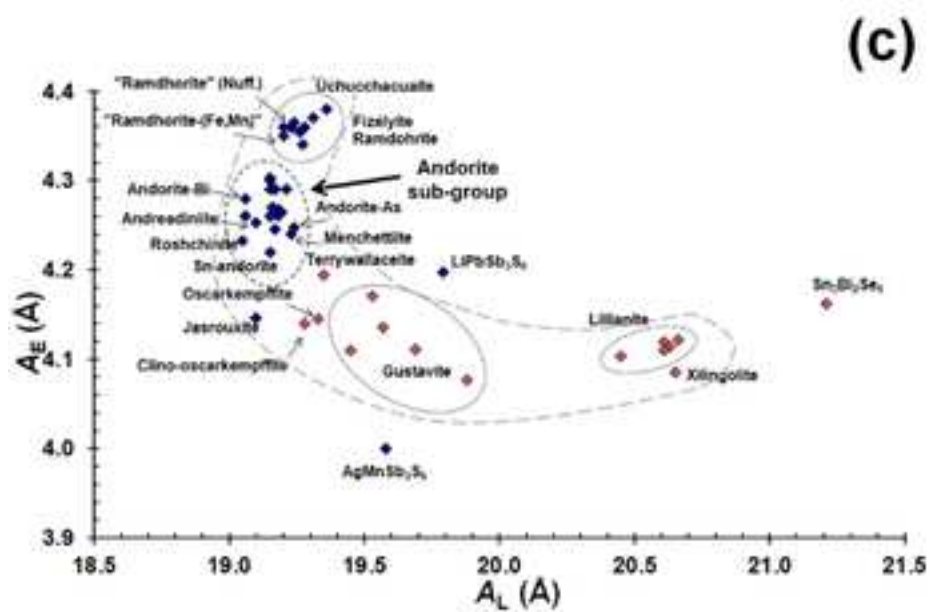
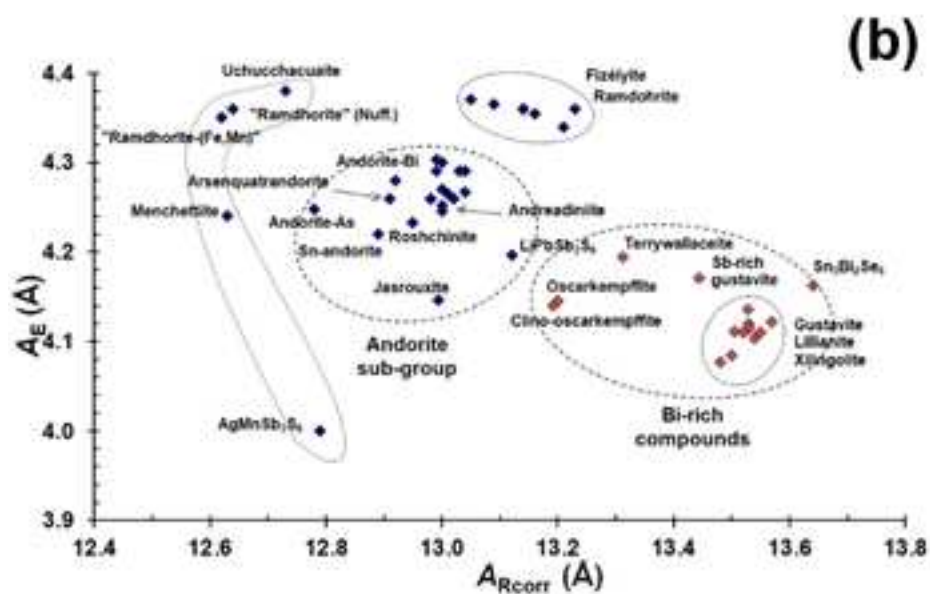
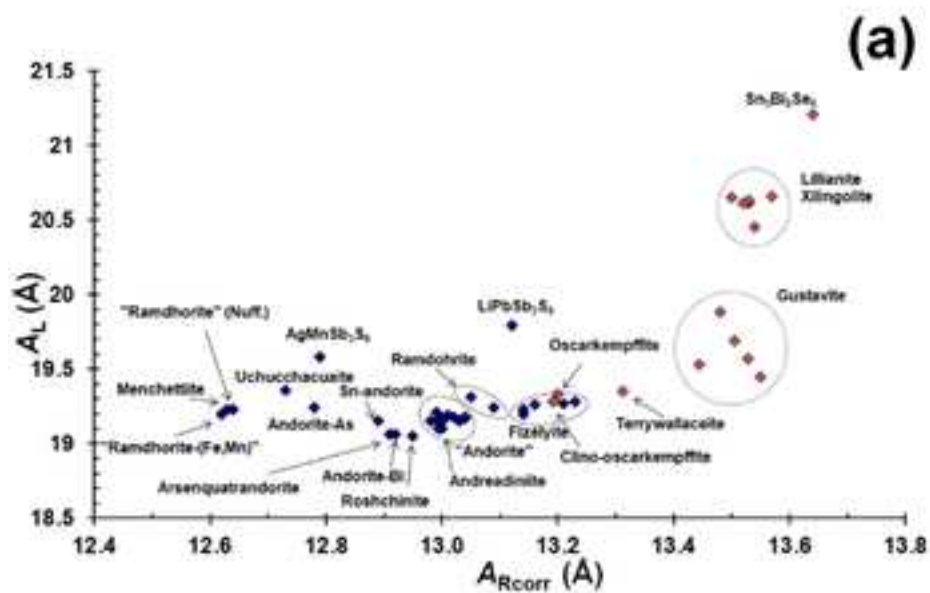
Quatrandorite - isolated group

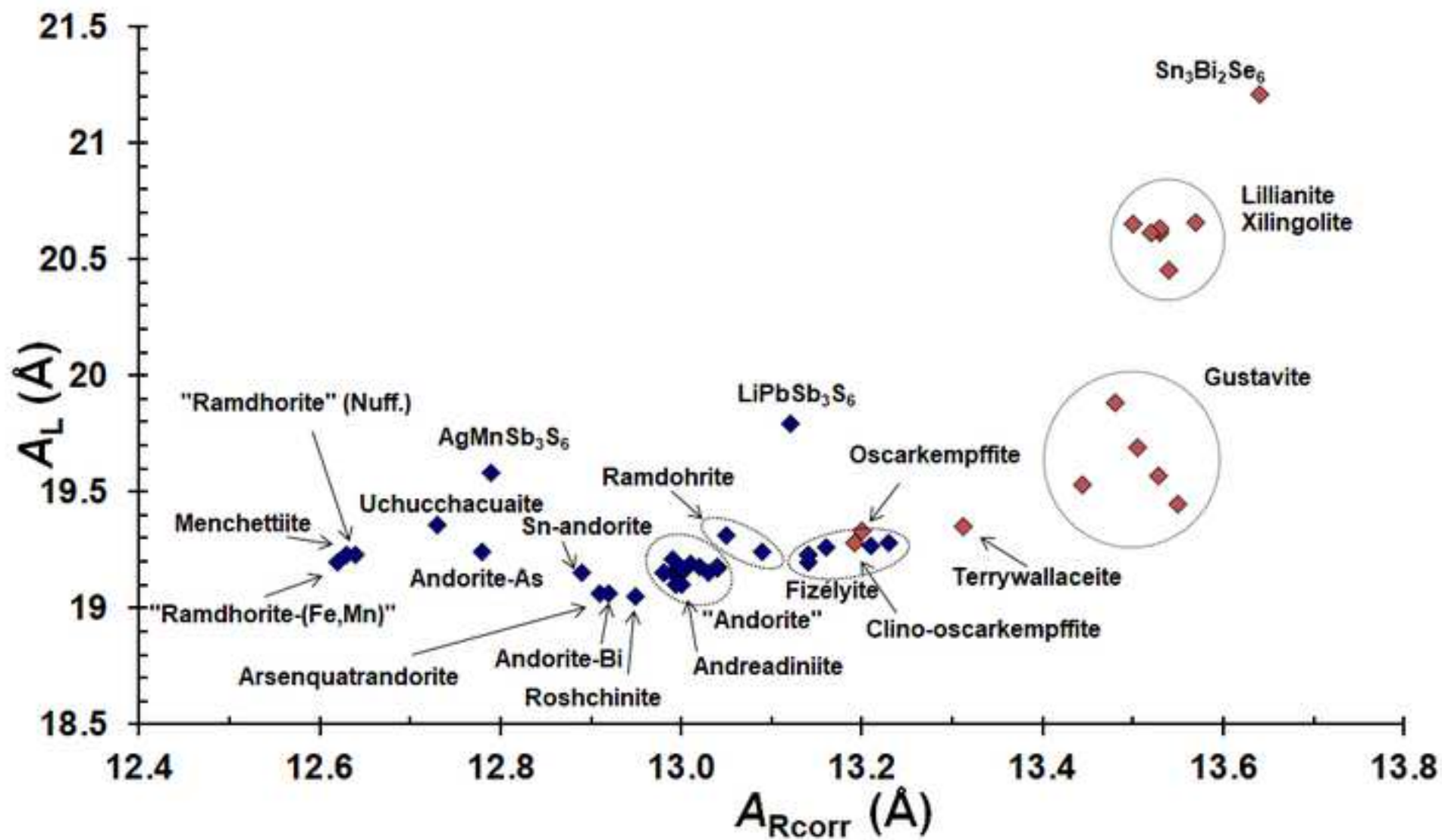


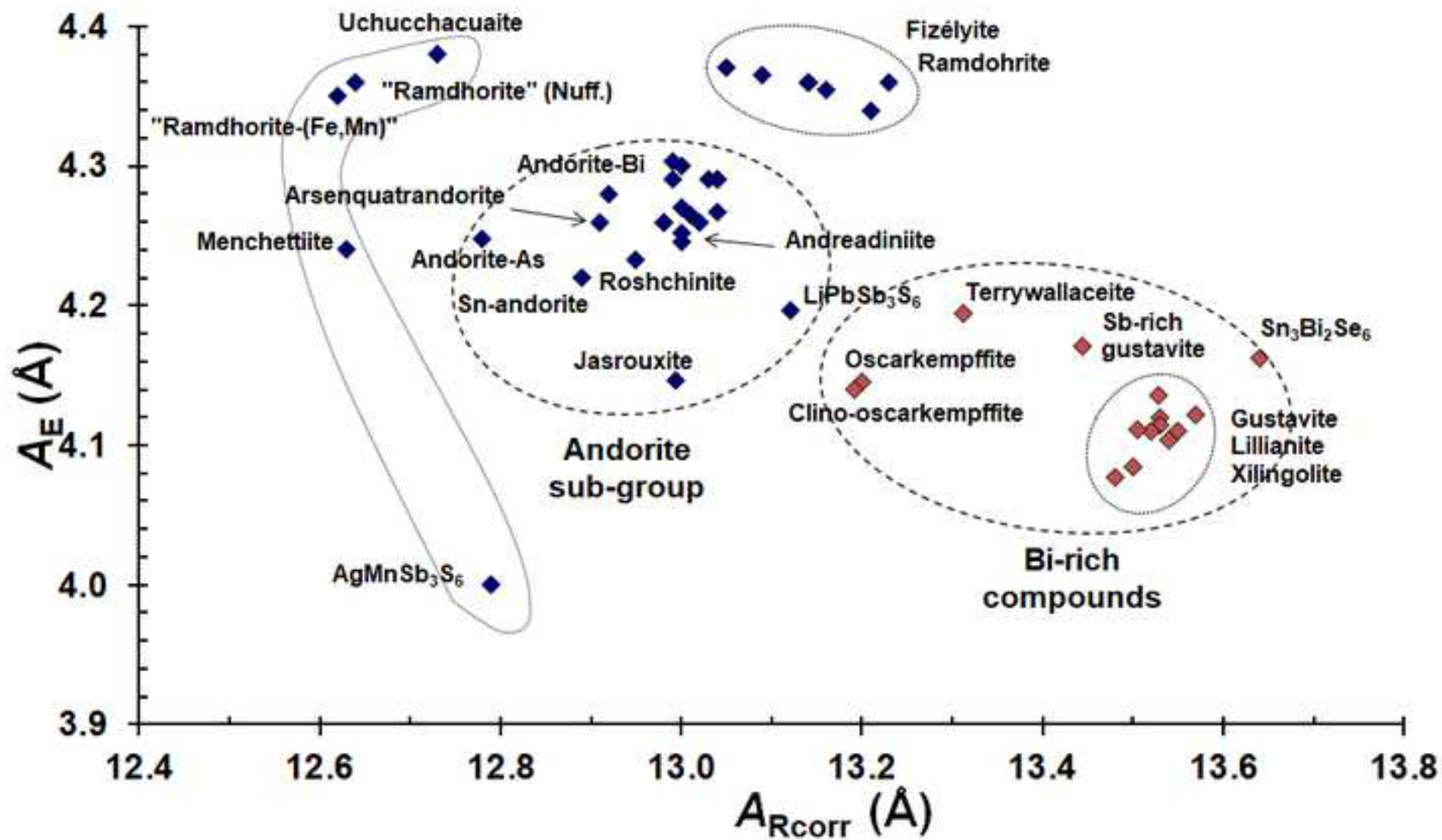
isolated C group

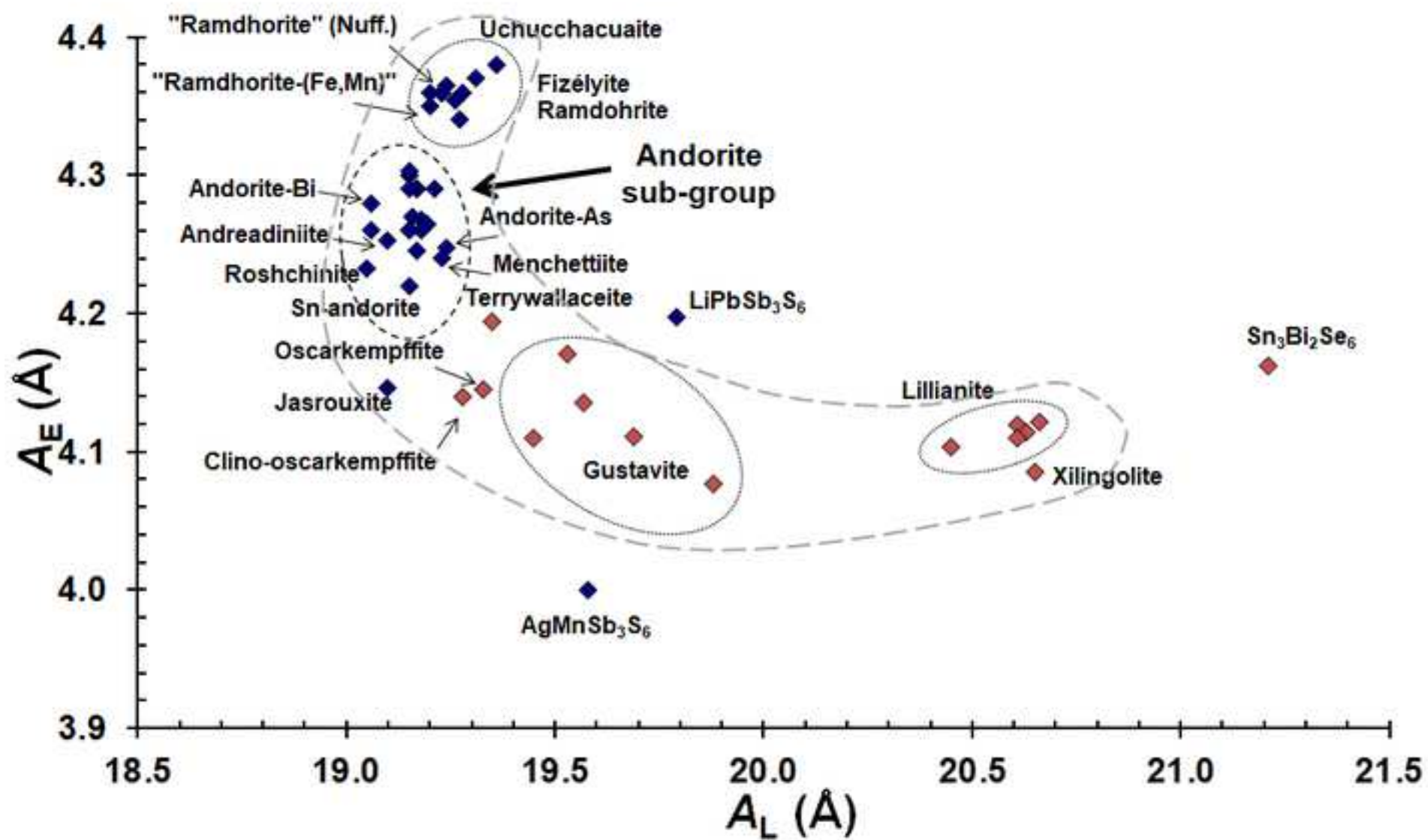


isolated M group









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The symmetry employed for this shelxl refinement is uniquely defined by the following loop, which should always be used as a source of symmetry information in preference to the above space-group names. They are only intended as comments.

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Sb1B Sb 0.24324(5) 0.82630(4) 0.57214(7) 0.0256(3) Uani 0.072(10) 1 d . .
P . .
Pb2 Pb 0.25351(8) 0.30713(7) 0.59629(12) 0.0379(4) Uani 0.913(6) 1 d . .
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Sb6 Sb 0.3605(3) 0.1902(2) 0.3682(5) 0.0355(10) Uani 0.656(14) 1 d . . P
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Sb7 Sb 0.14808(12) 0.06741(19) 0.8704(3) 0.0181(6) Uani 0.866(16) 1 d . .
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 Hg1 Hg 0.35780(13) 0.81260(10) 0.8457(2) 0.0433(8) Uani 0.029(10) 1 d . .
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 Cu2A Cu 0.1472(5) 0.1850(6) 0.3215(5) 0.0382(10) Uani 0.3 1 d . . P . .
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Sb2B	0.0382(8)	0.0371(5)	0.0383(7)	0.0010(4)	-0.0041(6)	-0.0129(4)
Pb3	0.033(2)	0.0268(12)	0.044(2)	-0.0043(10)	-0.0136(14)	0.0045(11)
Sb3B	0.033(2)	0.0268(12)	0.044(2)	-0.0043(10)	-0.0136(14)	0.0045(11)
Pb4	0.0387(6)	0.0418(5)	0.0467(6)	0.0204(4)	-0.0147(5)	-0.0160(4)
Sb1	0.0235(8)	0.0193(6)	0.0143(7)	-0.0003(4)	-0.0049(6)	0.0022(4)
As1	0.0235(8)	0.0193(6)	0.0143(7)	-0.0003(4)	-0.0049(6)	0.0022(4)
Sb2	0.0180(7)	0.0180(6)	0.0145(6)	-0.0015(4)	0.0030(5)	0.0004(4)
As2	0.0180(7)	0.0180(6)	0.0145(6)	-0.0015(4)	0.0030(5)	0.0004(4)
Sb3	0.0245(8)	0.0119(5)	0.0114(6)	0.0000(4)	-0.0002(6)	0.0015(4)
As3	0.0245(8)	0.0119(5)	0.0114(6)	0.0000(4)	-0.0002(6)	0.0015(4)
Sb4	0.0232(7)	0.0198(5)	0.0170(6)	0.0020(4)	0.0019(6)	0.0005(4)
Sb5	0.0225(6)	0.0151(5)	0.0181(6)	-0.0027(4)	0.0034(5)	0.0037(4)
Sb6	0.0484(18)	0.0265(10)	0.032(3)	-0.0113(15)	-0.012(2)	0.0156(9)
Ag6	0.0484(18)	0.0265(10)	0.032(3)	-0.0113(15)	-0.012(2)	0.0156(9)
Sb7	0.0260(7)	0.0120(9)	0.0163(11)	-0.0026(9)	0.0012(7)	0.0023(6)
Ag7	0.0260(7)	0.0120(9)	0.0163(11)	-0.0026(9)	0.0012(7)	0.0023(6)
Sb8	0.0219(8)	0.0171(6)	0.0150(7)	-0.0011(5)	0.0012(6)	-0.0009(4)
As8	0.0219(8)	0.0171(6)	0.0150(7)	-0.0011(5)	0.0012(6)	-0.0009(4)
Sb9	0.0238(7)	0.0249(6)	0.0148(6)	-0.0027(4)	-0.0018(6)	0.0047(4)
Sb10	0.0190(6)	0.0330(7)	0.0215(6)	-0.0027(5)	-0.0022(6)	0.0100(5)
Sb11	0.0172(7)	0.0152(6)	0.0175(7)	0.0019(4)	0.0014(6)	-0.0035(4)
As11	0.0172(7)	0.0152(6)	0.0175(7)	0.0019(4)	0.0014(6)	-0.0035(4)
Sb12	0.0230(7)	0.0294(6)	0.0252(7)	0.0092(5)	-0.0094(6)	-0.0045(5)
Ag1	0.0485(14)	0.0280(9)	0.0533(15)	-0.0027(8)	-0.0100(11)	-0.0087(7)
Hg1	0.0485(14)	0.0280(9)	0.0533(15)	-0.0027(8)	-0.0100(11)	-0.0087(7)
Cu2A	0.028(2)	0.0549(18)	0.032(3)	-0.011(2)	-0.008(2)	0.0008(15)
Ag2A	0.028(2)	0.0549(18)	0.032(3)	-0.011(2)	-0.008(2)	0.0008(15)
Ag2B	0.028(2)	0.0549(18)	0.032(3)	-0.011(2)	-0.008(2)	0.0008(15)
Hg2B	0.028(2)	0.0549(18)	0.032(3)	-0.011(2)	-0.008(2)	0.0008(15)
Ag3	0.0545(14)	0.0442(11)	0.081(2)	0.0016(11)	0.0445(14)	0.0076(9)
Cu3	0.0545(14)	0.0442(11)	0.081(2)	0.0016(11)	0.0445(14)	0.0076(9)
Hg3	0.0545(14)	0.0442(11)	0.081(2)	0.0016(11)	0.0445(14)	0.0076(9)
Ag4	0.0506(14)	0.0518(12)	0.0329(11)	0.0250(8)	-0.0108(9)	-0.0191(8)
Hg4	0.0506(14)	0.0518(12)	0.0329(11)	0.0250(8)	-0.0108(9)	-0.0191(8)
S1	0.020(2)	0.024(2)	0.024(2)	-0.0048(18)	-0.001(2)	-0.0082(17)
S2	0.021(2)	0.0101(16)	0.031(3)	-0.0028(16)	0.007(2)	-0.0020(14)
S3	0.025(2)	0.0091(16)	0.025(2)	0.0022(16)	-0.004(2)	0.0017(15)
S4	0.018(2)	0.0183(17)	0.021(2)	-0.0004(16)	-0.0007(18)	0.0007(16)
S5	0.017(2)	0.0136(16)	0.023(2)	0.0065(15)	0.0033(18)	0.0007(14)
S6	0.026(3)	0.013(2)	0.060(4)	-0.005(2)	-0.009(3)	0.0000(16)
S7	0.020(2)	0.033(2)	0.022(2)	-0.0038(19)	-0.002(2)	0.0068(18)
S8	0.016(2)	0.0215(19)	0.027(2)	-0.0053(17)	-0.009(2)	0.0054(16)
S9	0.018(2)	0.032(2)	0.033(3)	0.015(2)	0.000(2)	-0.0029(19)
S10	0.017(2)	0.027(2)	0.021(2)	-0.0050(17)	0.004(2)	-0.0008(16)
S11	0.034(3)	0.026(2)	0.031(3)	0.000(2)	-0.005(3)	0.002(2)
S12	0.019(2)	0.0233(19)	0.019(2)	0.0064(17)	0.001(2)	0.0035(16)
S13	0.023(2)	0.0107(17)	0.024(2)	-0.0050(15)	0.0070(19)	-0.0028(15)
S14	0.019(2)	0.0077(15)	0.020(2)	-0.0027(14)	0.0078(17)	-0.0026(13)
S15	0.022(2)	0.034(2)	0.018(2)	-0.0056(19)	0.002(2)	-0.009(2)

S16 0.030(3) 0.0164(19) 0.020(2) 0.0012(16) 0.011(2) 0.0003(17)
S17 0.024(2) 0.0220(19) 0.016(2) 0.0044(16) -0.003(2) -0.0009(17)
S18 0.024(2) 0.019(2) 0.057(4) 0.007(2) -0.006(3) 0.0018(18)
S19 0.024(2) 0.030(2) 0.020(2) 0.0013(19) -0.003(2) 0.0095(19)
S20 0.020(2) 0.026(2) 0.017(2) 0.0071(17) -0.0078(19) -0.0028(17)
S21 0.021(2) 0.040(3) 0.020(2) -0.010(2) -0.003(2) 0.009(2)
S22 0.023(3) 0.033(2) 0.016(2) 0.0033(18) -0.005(2) -0.0057(19)
S23 0.030(3) 0.022(2) 0.027(3) 0.0037(17) 0.002(2) 0.0011(18)
S24 0.017(2) 0.027(2) 0.024(2) -0.0001(18) -0.0037(19) 0.0054(16)

_geom_special_details

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All esds (except the esd in the dihedral angle between two l.s. planes) are estimated using the full covariance matrix. The cell esds are taken into account individually in the estimation of esds in distances, angles and torsion angles; correlations between esds in cell parameters are only

used when they are defined by crystal symmetry. An approximate (isotropic)

treatment of cell esds is used for estimating esds involving l.s. planes.

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loop_

 _geom_bond_atom_site_label_1

 _geom_bond_atom_site_label_2

 _geom_bond_distance

 _geom_bond_site_symmetry_2

 _geom_bond_publ_flag

Pb1 S19 2.814(5) . ?

Pb1 S8 2.924(5) . ?

Pb1 S5 3.043(5) 4_575 ?

Pb1 S1 3.091(5) 4_576 ?

Pb1 S24 3.091(5) . ?

Pb1 S17 3.150(5) 4_576 ?

Pb1 S4 3.237(5) 4_576 ?

Pb1 S12 3.794(6) 4_576 ?

Pb1 S8 4.691(6) 4_576 ?

Pb1 S12 4.765(6) . ?

Pb1 S16 4.874(5) 4_576 ?

Pb1 S4 4.973(5) . ?

Pb2 Sb2B 0.70(3) . ?

Pb2 S11 2.795(6) . ?

Pb2 S23 2.908(6) 4_565 ?

Pb2 S7 3.075(5) 4_566 ?

Pb2 S3 3.094(5) 4_566 ?

Pb2 S10 3.135(6) . ?

Pb2 S9 3.156(6) . ?

Pb2 S22 3.366(5) 4_566 ?

Pb2 S15 3.465(6) 4_566 ?

Pb2 S11 4.525(7) 4_566 ?

Pb2 S21 4.902(6) . ?

Pb2 S13 5.054(5) 4_576 ?

Sb2B S3 2.46(3) 4_566 ?

Sb2B S11 2.56(2) . ?
Sb2B S23 2.62(2) 4_565 ?
Sb2B S7 3.23(2) 4_566 ?
Sb2B S22 3.36(2) 4_566 ?
Sb2B S9 3.50(3) . ?
Sb2B S10 3.74(3) . ?
Sb2B S15 3.90(3) 4_566 ?
Sb2B S7 4.49(3) . ?
Sb2B S13 4.60(3) 4_576 ?
Sb2B S10 4.86(3) 4_565 ?
Pb3 S11 2.790(7) . ?
Pb3 S19 2.908(8) 1_545 ?
Pb3 S21 3.041(7) . ?
Pb3 S16 3.088(7) 4_566 ?
Pb3 S7 3.119(8) 4_566 ?
Pb3 S10 3.132(7) . ?
Pb3 S24 3.200(7) 1_545 ?
Pb3 S17 3.664(6) 4_566 ?
Pb3 S23 4.752(8) . ?
Pb3 S9 4.884(6) . ?
Pb3 S5 4.940(6) 4_565 ?
Pb3 S22 4.982(8) . ?
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Sb3B S21 2.718(13) . ?
Sb3B S19 2.869(16) 1_545 ?
Sb3B S10 3.051(15) . ?
Sb3B S7 3.301(15) 4_566 ?
Sb3B S16 3.308(13) 4_566 ?
Sb3B S24 3.311(14) 1_545 ?
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Sb3B S9 4.582(12) . ?
Sb3B S15 4.781(15) . ?
Sb3B S22 4.891(16) . ?
Sb3B S23 4.965(16) . ?
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Pb4 S20 3.105(6) . ?
Pb4 S22 3.243(6) 1_565 ?
Pb4 S12 3.284(5) . ?
Pb4 S4 3.506(5) . ?
Pb4 S19 4.470(6) . ?
Pb4 S3 4.912(5) 1_565 ?
Pb4 S17 4.947(5) 4_575 ?
Pb4 S1 5.043(5) . ?
Sb1 S8 2.410(5) . ?
Sb1 S4 2.493(5) . ?
Sb1 S17 2.496(5) . ?
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Sb1 S13 3.385(5) 4_576 ?
Sb1 S14 4.662(4) 2 ?
Sb1 S5 4.681(5) 1_554 ?

Sb1 S3 4.800(6) 2 ?
Sb1 S24 4.821(6) 4_575 ?
Sb1 S4 4.873(5) 4_576 ?
Sb1 S12 4.947(6) . ?
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Sb2 S4 2.513(5) 2_645 ?
Sb2 S14 2.583(5) 1_655 ?
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Sb2 S7 4.638(6) 1_655 ?
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Sb2 S22 5.098(5) 2_655 ?
Sb3 S20 2.425(5) . ?
Sb3 S12 2.532(6) . ?
Sb3 S1 2.548(5) . ?
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Sb3 S9 3.262(6) 2_655 ?
Sb3 S6 3.295(6) 4_575 ?
Sb3 S10 4.517(6) 3_666 ?
Sb3 S15 4.575(6) 1_565 ?
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Sb3 S21 5.126(7) 2_655 ?
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Sb5 S16 2.528(5) . ?
Sb5 S2 3.078(5) . ?
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Sb5 S5 3.360(5) 3_566 ?
Sb5 S11 4.324(7) 4_565 ?
Sb5 S2 4.524(6) 4_565 ?
Sb5 S4 4.529(5) 2_545 ?
Sb5 S17 4.819(5) . ?
Sb5 S3 4.902(5) 4_566 ?
Sb5 S22 5.129(6) . ?
Sb6 S11 2.471(9) . ?
Sb6 S21 2.642(7) . ?

Sb6 S9 2.668(8) . ?
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Ag6 S6 2.805(14) 3_666 ?
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Ag6 S15 2.850(11) . ?
Ag6 S21 2.852(13) . ?
Ag6 S9 2.999(12) . ?
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Ag6 S7 4.624(11) . ?
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Ag6 S1 4.783(12) 2_645 ?
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Sb7 S3 2.579(6) 1_556 ?
Sb7 S13 2.691(5) 1_546 ?
Sb7 S7 2.818(6) 4_566 ?
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Sb11 S16 2.562(5) . ?
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Sb11 S16 3.333(6) 3_565 ?
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Ag4 S16 4.716(6) 2_545 ?
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S1 Sb10 2.674(6) 4_575 ?
S1 Sb1B 3.091(5) 4_575 ?
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S1 Hg1 3.105(6) 1_554 ?
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S1 Sb4 3.488(6) 2_655 ?
S1 S20 3.599(7) . ?
S1 S24 3.612(7) 4_575 ?
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S2 Sb11 2.877(5) 2_545 ?
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S2 Sb1 3.198(5) 2_545 ?
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S3 Sb2 3.260(5) 4_465 ?
S3 Hg2B 3.326(7) 4_565 ?
S3 Ag2B 3.326(7) 4_565 ?
S3 S13 3.510(6) 1_545 ?
S4 As2 2.513(5) 2_655 ?
S4 Sb2 2.513(5) 2_655 ?
S4 Hg4 2.949(5) 1_565 ?
S4 Ag4 2.949(5) 1_565 ?
S4 Sb1B 3.237(5) 4_575 ?
S4 Pb1 3.237(5) 4_575 ?
S4 S14 3.606(6) 2 ?
S4 S12 3.620(7) . ?
S4 S8 3.631(7) . ?
S5 As11 2.426(5) 1_556 ?
S5 Sb11 2.426(5) 1_556 ?
S5 Hg4 2.583(5) 4_566 ?
S5 Ag4 2.583(5) 4_566 ?
S5 Pb1 3.043(5) 4_576 ?
S5 Sb1B 3.043(5) 4_576 ?
S5 As2 3.211(5) 2_656 ?
S5 Sb2 3.211(5) 2_656 ?
S5 Sb5 3.360(5) 3_566 ?
S5 Sb1 3.362(4) 4_576 ?
S5 As1 3.362(4) 4_576 ?
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S6 Sb6 3.193(9) 3_666 ?
S6 As3 3.295(6) 4_576 ?
S6 Sb3 3.295(6) 4_576 ?
S6 S18 3.575(7) 1_565 ?
S6 S9 3.585(9) 2_656 ?

S6 S15 3.642(7) 3_666 ?
S7 Sb7 2.818(6) 4_565 ?
S7 Ag7 2.870(16) 4_565 ?
S7 Pb2 3.075(5) 4_565 ?
S7 Pb3 3.119(8) 4_565 ?
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 Pb1 S1 Sb9 85.34(12) 4_575 4_575 ?
 Hg1 S1 Sb9 83.96(14) 1_554 4_575 ?
 Ag1 S1 Sb9 83.96(14) 1_554 4_575 ?

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 Ag1 S1 Sb4 82.24(14) 1_554 2_655 ?
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 Sb4 S1 S20 90.93(15) 2_655 . ?
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 Ag1 S1 S24 143.7(2) 1_554 4_575 ?
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 Sb4 S1 S12 134.09(17) 2_655 . ?
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 Sb2 S2 Cu2A 117.5(3) 1_455 . ?
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 Sb2 S2 As11 100.50(17) 1_455 2_545 ?
 Cu2A S2 As11 106.0(3) . 2_545 ?
 Ag2B S2 Sb11 97.2(2) . 2_545 ?
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 Sb2 S2 Sb11 100.50(17) 1_455 2_545 ?
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 Sb2 S2 Sb5 87.84(13) 1_455 . ?
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 Sb2 S2 As1 85.72(15) 1_455 2_545 ?
 Cu2A S2 As1 153.3(3) . 2_545 ?
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 Sb11 S2 As1 80.39(12) 2_545 2_545 ?
 Sb5 S2 As1 82.57(14) . 2_545 ?
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 Sb2 S2 Sb1 85.72(15) 1_455 2_545 ?
 Cu2A S2 Sb1 153.3(3) . 2_545 ?
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 Sb11 S2 Sb1 80.39(12) 2_545 2_545 ?
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 Sb11 S2 Sb8 79.26(10) 2_545 . ?
 Sb5 S2 Sb8 87.75(14) . . ?
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 Sb2B S3 Sb7 88.7(6) 4_565 1_554 ?
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 Pb2 S3 As2 162.88(15) 4_565 4_465 ?
 Sb8 S3 Sb2 93.96(16) . 4_465 ?
 Sb2B S3 Sb2 160.6(6) 4_565 4_465 ?
 Sb7 S3 Sb2 93.74(16) 1_554 4_465 ?
 Ag7 S3 Sb2 89.0(4) 1_554 4_465 ?
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 Ag7 S3 Ag2B 95.3(3) 1_554 4_565 ?
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 Sb2 S4 Pb1 99.87(16) 2_655 4_575 ?
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 Ag4 S4 Pb4 75.78(11) 1_565 . ?
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 Ag4 S4 S8 92.54(15) 1_565 . ?
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 Sb11 S5 Pb1 101.45(16) 1_556 4_576 ?
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 Ag4 S5 Pb1 96.16(15) 4_566 4_576 ?
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 Sb11 S5 Sb1B 101.45(16) 1_556 4_576 ?
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 Ag4 S5 Sb1B 96.16(15) 4_566 4_576 ?
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 Sb11 S5 As2 92.36(16) 1_556 2_656 ?
 Hg4 S5 As2 158.14(18) 4_566 2_656 ?
 Ag4 S5 As2 158.14(18) 4_566 2_656 ?
 Pb1 S5 As2 90.01(13) 4_576 2_656 ?
 Sb1B S5 As2 90.01(13) 4_576 2_656 ?
 As11 S5 Sb2 92.36(16) 1_556 2_656 ?
 Sb11 S5 Sb2 92.36(16) 1_556 2_656 ?
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 Ag4 S5 Sb2 158.14(18) 4_566 2_656 ?
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 Sb1B S5 Sb2 90.01(13) 4_576 2_656 ?

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Sb11 S5 Sb5 94.26(15) 1_556 3_566 ?
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Ag4 S5 Sb5 85.94(15) 4_566 3_566 ?
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Sb1B S5 Sb5 162.75(15) 4_576 3_566 ?
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Sb2 S5 Sb5 82.21(11) 2_656 3_566 ?
As11 S5 Sb1 160.93(19) 1_556 4_576 ?
Sb11 S5 Sb1 160.93(19) 1_556 4_576 ?
Hg4 S5 Sb1 89.08(15) 4_566 4_576 ?
Ag4 S5 Sb1 89.08(15) 4_566 4_576 ?
Pb1 S5 Sb1 86.82(11) 4_576 4_576 ?
Sb1B S5 Sb1 86.82(11) 4_576 4_576 ?
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Sb2 S5 Sb1 70.29(9) 2_656 4_576 ?
Sb5 S5 Sb1 76.08(10) 3_566 4_576 ?
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Sb11 S5 As1 160.93(19) 1_556 4_576 ?
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Ag4 S5 As1 89.08(15) 4_566 4_576 ?
Pb1 S5 As1 86.82(11) 4_576 4_576 ?
Sb1B S5 As1 86.82(11) 4_576 4_576 ?
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Sb2 S5 As1 70.29(9) 2_656 4_576 ?
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Sb1 S5 As1 0.00(5) 4_576 4_576 ?
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Sb11 S5 S17 45.38(12) 1_556 1_556 ?
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Sb1B S5 S17 56.45(12) 4_576 1_556 ?
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Sb2 S5 S17 86.83(15) 2_656 1_556 ?
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As1 S5 S17 137.07(17) 4_576 1_556 ?
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Ag6 S6 Ag1 164.2(3) 3_666 . ?
Sb10 S6 Sb4 163.3(2) . 2_656 ?
Sb12 S6 Sb4 98.4(2) . 2_656 ?
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Ag1 S6 Sb4 90.19(18) . 2_656 ?
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Sb12 S6 Sb6 97.69(19) . 3_666 ?
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Ag1 S6 Sb6 161.4(2) . 3_666 ?
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 Sb12 S6 As3 172.6(2) . 4_576 ?
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 Ag1 S6 As3 80.39(13) . 4_576 ?
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 Sb12 S6 Sb3 172.6(2) . 4_576 ?
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 Sb6 S6 S18 105.7(2) 3_666 1_565 ?
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 Sb3 S6 S18 143.8(2) 4_576 1_565 ?
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 Sb12 S6 S9 56.70(15) . 2_656 ?
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 Ag1 S6 S9 96.2(2) . 2_656 ?
 Sb4 S6 S9 41.74(12) 2_656 2_656 ?
 Sb6 S6 S9 89.02(18) 3_666 2_656 ?
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 Sb3 S6 S9 115.91(17) 4_576 2_656 ?
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 Pb2 S7 Pb3 81.65(15) 4_565 4_565 ?
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 Sb2B S7 Sb3B 77.3(5) 4_565 4_565 ?
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Ag1 S8 S20 46.48(12) 4_575 4_576 ?
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 Sb4 S9 Ag6 94.6(3) . . ?
 Sb6 S9 Ag6 7.4(3) . . ?
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 Sb6 S9 Sb12 162.6(2) . 2_646 ?
 Ag6 S9 Sb12 157.7(3) . 2_646 ?
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 Sb6 S9 Pb2 89.5(2) . . ?
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 Sb6 S9 As3 90.3(2) . 2_645 ?
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 Sb12 S9 As3 83.24(13) 2_646 2_645 ?
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 Sb6 S9 Sb3 90.3(2) . 2_645 ?
 Ag6 S9 Sb3 83.1(3) . 2_645 ?
 Sb12 S9 Sb3 83.24(13) 2_646 2_645 ?
 Pb2 S9 Sb3 164.18(19) . 2_645 ?
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 Sb6 S9 Sb2B 82.5(5) . . ?
 Ag6 S9 Sb2B 88.6(5) . . ?
 Sb12 S9 Sb2B 96.7(4) 2_646 . ?
 Pb2 S9 Sb2B 10.5(5) . . ?
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 Sb3 S9 Sb2B 155.4(5) 2_645 . ?
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 Sb6 S9 S21 47.86(15) . . ?
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 Sb12 S9 S21 149.0(2) 2_646 . ?

Pb2 S9 S21 93.91(16) . . ?
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Sb2B S9 S21 94.8(4) . . ?
Sb4 S9 S10 42.59(13) . . ?
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Ag6 S9 S10 101.7(3) . . ?
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Ag6 S9 S6 152.3(3) . 2_646 ?
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S10 S9 Hg3 141.6(2) . 4_565 ?
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Ag6 S10 S7 101.6(3) 4_566 4_566 ?
Sb6 S10 S7 97.2(2) 4_566 4_566 ?
Sb3B S10 S7 63.2(3) . 4_566 ?
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Ag6 S10 S21 139.2(4) 4_566 . ?
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Ag6 S10 S9 85.4(3) 4_566 . ?
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Ag2B S11 Sb2B 106.3(8) . . ?
Cu2A S11 Sb2B 110.2(8) . . ?
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Ag2B S11 Sb3B 112.6(4) . . ?
Cu2A S11 Sb3B 121.2(4) . . ?
Sb6 S11 Sb3B 94.1(4) . . ?
Sb2B S11 Sb3B 105.1(8) . . ?
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Cu2A S11 Pb3 117.2(3) . . ?
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Sb3B S11 Pb3 6.4(3) . . ?
Ag2B S11 Pb2 119.3(3) . . ?
Cu2A S11 Pb2 124.1(3) . . ?
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Sb2B S11 Pb2 14.1(8) . . ?
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Pb3 S11 Pb2 93.0(2) . . ?
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Cu2A S11 Ag6 108.2(3) . . ?
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Sb2B S11 Ag6 114.7(6) . . ?
Sb3B S11 Ag6 97.1(4) . . ?
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 Sb3 S12 S19 141.4(2) . . ?
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 Sb3 S12 S15 90.61(16) . 1_565 ?

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 Sb8 S13 Sb7 91.29(16) 1_565 1_564 ?
 As8 S13 Ag7 99.4(5) 1_565 1_564 ?
 Sb8 S13 Ag7 99.4(5) 1_565 1_564 ?
 Sb7 S13 Ag7 9.9(5) 1_564 1_564 ?
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 Sb8 S13 Pb4 101.05(17) 1_565 . ?
 Sb7 S13 Pb4 88.43(15) 1_564 . ?
 Ag7 S13 Pb4 92.4(4) 1_564 . ?
 As8 S13 As2 104.94(17) 1_565 2_655 ?
 Sb8 S13 As2 104.94(17) 1_565 2_655 ?
 Sb7 S13 As2 163.0(2) 1_564 2_655 ?
 Ag7 S13 As2 153.4(6) 1_564 2_655 ?
 Pb4 S13 As2 93.14(13) . 2_655 ?
 As8 S13 Sb2 104.94(17) 1_565 2_655 ?
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 Sb7 S13 Sb2 163.0(2) 1_564 2_655 ?
 Ag7 S13 Sb2 153.4(6) 1_564 2_655 ?
 Pb4 S13 Sb2 93.14(13) . 2_655 ?
 As2 S13 Sb2 0.0 2_655 2_655 ?
 As8 S13 As1 169.6(2) 1_565 4_575 ?
 Sb8 S13 As1 169.6(2) 1_565 4_575 ?
 Sb7 S13 As1 93.03(17) 1_564 4_575 ?
 Ag7 S13 As1 84.1(6) 1_564 4_575 ?
 Pb4 S13 As1 88.48(12) . 4_575 ?
 As2 S13 As1 70.15(9) 2_655 4_575 ?
 Sb2 S13 As1 70.15(9) 2_655 4_575 ?
 As8 S13 Sb1 169.6(2) 1_565 4_575 ?
 Sb8 S13 Sb1 169.6(2) 1_565 4_575 ?
 Sb7 S13 Sb1 93.03(17) 1_564 4_575 ?
 Ag7 S13 Sb1 84.1(6) 1_564 4_575 ?
 Pb4 S13 Sb1 88.48(12) . 4_575 ?
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 As8 S13 As8 96.41(16) 1_565 3_565 ?

Sb8 S13 As8 96.41(16) 1_565 3_565 ?
 Sb7 S13 As8 95.01(17) 1_564 3_565 ?
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 Pb4 S13 As8 162.12(15) . 3_565 ?
 As2 S13 As8 78.58(11) 2_655 3_565 ?
 Sb2 S13 As8 78.58(11) 2_655 3_565 ?
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 Sb1 S13 As8 73.84(10) 4_575 3_565 ?
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 Sb8 S13 Sb8 96.41(16) 1_565 3_565 ?
 Sb7 S13 Sb8 95.01(17) 1_564 3_565 ?
 Ag7 S13 Sb8 88.4(5) 1_564 3_565 ?
 Pb4 S13 Sb8 162.12(15) . 3_565 ?
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 Sb2 S13 Sb8 78.58(11) 2_655 3_565 ?
 As1 S13 Sb8 73.84(10) 4_575 3_565 ?
 Sb1 S13 Sb8 73.84(10) 4_575 3_565 ?
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 Sb8 S13 S22 43.24(13) 1_565 1_565 ?
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 Sb2 S13 S22 98.92(16) 2_655 1_565 ?
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 Sb1 S13 S22 145.14(19) 4_575 1_565 ?
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 Sb8 S13 S22 138.13(18) 3_565 1_565 ?
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 Sb5 S14 Sb2 99.27(14) . 1_455 ?
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 Sb2 S14 Hg4 95.44(15) 1_455 2 ?
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 Ag4 S14 Sb7 163.94(17) 2_4_565 ?
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 Sb2 S14 As8 99.72(14) 1_455 2 ?
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Ag4 S14 As8 76.33(11) 2 2 ?
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 Sb2 S14 Sb8 99.72(14) 1_455 2 ?
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 Sb9 S15 Ag6 103.5(3) 1_545 . ?
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 Sb9 S15 Sb6 98.94(18) 1_545 . ?
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Sb6 S15 S6 55.50(17) . 3_666 ?
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Sb9 S15 S18 60.24(16) 1_545 3_656 ?
Ag6 S15 S18 101.6(3) . 3_656 ?
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Sb6 S15 S18 104.61(19) . 3_656 ?
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Sb9 S15 S12 41.17(12) 1_545 1_545 ?
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Sb6 S15 S12 139.4(2) . 1_545 ?
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Sb9 S15 S23 138.7(2) 1_545 1_554 ?
Ag6 S15 S23 117.8(3) . 1_554 ?
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Sb6 S15 S23 121.7(2) . 1_554 ?
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S19 S15 S23 124.1(2) 1_545 1_554 ?
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 Ag2B S16 Ag4 79.21(16) 4_565 4_565 ?
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 Ag2B S16 As11 76.48(17) 4_565 3_565 ?
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 Ag4 S16 As11 75.27(12) 4_565 3_565 ?
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 Sb5 S16 Sb11 93.00(17) . 3_565 ?
 Sb11 S16 Sb11 88.24(16) . 3_565 ?
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 Ag2B S16 Sb11 76.48(17) 4_565 3_565 ?
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 Ag4 S16 Sb11 75.27(12) 4_565 3_565 ?
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 Sb11 S16 Ag2A 159.2(2) . 4_565 ?
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 Ag2B S16 Ag2A 3.8(2) 4_565 4_565 ?
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 Ag4 S16 Ag2A 75.90(18) 4_565 4_565 ?
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 As11 S16 Ag2A 77.65(19) 3_565 4_565 ?
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 Sb11 S17 Sb7 103.39(18) . 4_565 ?
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 Sb11 S17 Sb1B 96.33(15) . 4_575 ?
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 Sb7 S17 Sb1B 146.1(2) 4_565 4_575 ?
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 Sb7 S17 Pb1 146.1(2) 4₅₆₅ 4₅₇₅ ?
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 Sb11 S17 S24 139.5(2) . 4₅₇₅ ?
 Ag7 S17 S24 94.9(4) 4₅₆₅ 4₅₇₅ ?
 Sb7 S17 S24 91.87(17) 4₅₆₅ 4₅₇₅ ?
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 Sb11 S17 S5 43.07(11) . 1₅₅₄ ?
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 Sb7 S17 S5 142.20(19) 4₅₆₅ 1₅₅₄ ?
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 Sb10 S18 As3 158.7(3) 1₅₄₅ 3₆₆₆ ?
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 Ag1 S20 Pb4 94.88(16) 1_554 . ?
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 Hg1 S20 Sb12 161.55(19) 1_554 3_676 ?
 Ag1 S20 Sb12 161.55(19) 1_554 3_676 ?
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 Ag1 S20 Sb12 91.12(16) 1_554 1_554 ?
 Pb4 S20 Sb12 159.48(18) . 1_554 ?
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 Sb12 S20 Cu3 78.27(12) 3_676 1_564 ?
 Sb12 S20 Cu3 76.42(11) 1_554 1_564 ?
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Sb3 S20 Ag3 170.2(2) . 1_564 ?
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 Cu3 S20 S12 141.38(19) 1_564 . ?
 Ag3 S20 S12 141.38(19) 1_564 . ?
 Sb3 S20 S1 45.01(12) . . ?
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 Ag1 S20 S1 56.96(14) 1_554 . ?
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 Sb12 S20 S1 102.41(17) 1_554 . ?
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 Cu3 S20 S1 141.42(18) 1_564 . ?
 Ag3 S20 S1 141.42(18) 1_564 . ?
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 Sb4 S21 Sb3B 98.6(4) . . ?
 Sb6 S21 Sb3B 87.3(3) . . ?
 Sb4 S21 Ag6 97.5(3) . . ?
 Sb6 S21 Ag6 9.29(18) . . ?
 Sb3B S21 Ag6 93.8(4) . . ?
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 Sb6 S21 Pb3 90.6(2) . . ?
 Sb3B S21 Pb3 3.3(4) . . ?
 Ag6 S21 Pb3 97.1(3) . . ?
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 Sb6 S21 Sb9 94.35(19) . 1_545 ?
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 Pb3 S21 Sb10 168.0(2) . 3_666 ?
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Sb3B S21 S9 93.2(3) . . ?
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Pb3 S21 S11 48.23(16) . . ?
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Sb8 S22 Ag4 100.8(2) . . ?
Cu2A S22 Ag4 113.3(3) . . ?
Sb8 S22 Ag2B 99.3(2) . . ?
Cu2A S22 Ag2B 11.0(2) . . ?
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 Ag7 S23 Pb2 108.8(5) . 4_566 ?
 Pb4 S23 Pb2 99.57(19) 1_546 4_566 ?
 Ag3 S23 S3 142.6(2) . 1_556 ?
 Sb7 S23 S3 45.68(16) . 1_556 ?
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 Ag7 S23 S3 53.8(5) . 1_556 ?
 Pb4 S23 S3 99.79(19) 1_546 1_556 ?
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 Pb2 S23 S13 98.96(18) 4_566 1_546 ?
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Hg3 S24 S17 102.25(19) 1_565 4_576 ?
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Ag3 S24 S17 102.25(19) 1_565 4_576 ?
Ag1 S24 S17 95.76(19) . 4_576 ?
Pb1 S24 S17 57.87(12) . 4_576 ?
Pb3 S24 S17 67.40(14) 1_565 4_576 ?
Sb3B S24 S17 73.3(2) 1_565 4_576 ?
Sb10 S24 S18 55.37(15) . 1_565 ?
Hg3 S24 S18 42.32(14) 1_565 1_565 ?
Cu3 S24 S18 42.32(14) 1_565 1_565 ?
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Ag1 S24 S18 94.57(18) . 1_565 ?
Pb1 S24 S18 155.4(2) . 1_565 ?
Pb3 S24 S18 97.73(17) 1_565 1_565 ?
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shelx.res created by SHELXL-2014/7

TITL andorite_0m in P 21/c
REM transformed to space group :
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ZERR 1 0.0014 0.0011 0.0010 0.000 0.004 0.000
LATT 1
SYMM -X,1/2+Y,-Z+1/2
SFAC Ag Pb S Sb Cu Hg As
UNIT 1 1 1 1 1 1 1
TWIN 1 0 0 0 -1 0 0 0 -1
L.S. 10
BOND
CONN 12 4 \$S
ACTA
FMAP 2
EXYZ PB1 SB1b
EADP PB1 SB1b
EADP PB2 SB2b
EADP PB3 SB3b
EXYZ PB4 SB4b
EADP PB4 SB4b
EXYZ SB1 AS1
EADP SB1 AS1
EXYZ SB2 AS2
EADP SB2 AS2
EXYZ SB3 AS3
EADP SB3 AS3
EXYZ SB5 AS5
EADP SB5 AS5
EADP SB6 AG6
EADP SB7 AG7
EXYZ SB8 AS8
EADP SB8 AS8
EXYZ SB11 AS11
EADP SB11 AS11
EXYZ AG1 HG1
EADP AG1 HG1
EXYZ CU2a AG2a
EXYZ AG2b HG2b
EADP CU2a AG2a AG2b HG2b
EXYZ AG3 CU3 HG3
EADP AG3 CU3 HG3
EXYZ AG4 HG4
EADP AG4 HG4
WGHT 0.153600 163.524002
BASF 0.49552
FVAR 0.03308 0.91268 0.92764 0.89015 0.90047 0.89085
0.86573
FVAR 0.71897 0.90998 0.65643 0.93376 0.97110

PB1	2	0.243242	0.826295	0.572139	31.00000	0.03316
0.02180	=					
		0.02197	0.00123	0.00315	-0.00065	
SB1B	4	0.243242	0.826295	0.572139	-31.00000	0.03316
0.02180	=					
		0.02197	0.00123	0.00315	-0.00065	
PB2	2	0.253510	0.307127	0.596286	21.00000	0.03824
0.03709	=					
		0.03829	0.00101	-0.00405	-0.01289	
SB2B	4	0.228048	0.313172	0.558659	-21.00000	0.03824
0.03709	=					
		0.03829	0.00101	-0.00405	-0.01289	
PB3	2	0.253555	0.069180	0.585336	10.57000	0.03296
0.02678	=					
		0.04361	-0.00426	-0.01358	0.00454	
SB3B	4	0.267093	0.077359	0.568907	10.43000	0.03296
0.02678	=					
		0.04361	-0.00426	-0.01358	0.00454	
PB4	2	0.250734	0.937658	0.084167	11.00000	0.03867
0.04180	=					
		0.04674	0.02043	-0.01473	-0.01600	
SB1	4	0.122586	0.690873	0.343497	41.00000	0.02348
0.01925	=					
		0.01428	-0.00032	-0.00486	0.00219	
AS1	7	0.122586	0.690873	0.343497	-41.00000	0.02348
0.01925	=					
		0.01428	-0.00032	-0.00486	0.00219	
SB2	4	0.955999	0.303076	0.389452	51.00000	0.01801
0.01795	=					
		0.01452	-0.00150	0.00303	0.00040	
AS2	7	0.955999	0.303076	0.389452	-51.00000	0.01801
0.01795	=					
		0.01452	-0.00150	0.00303	0.00040	
SB3	4	0.448305	0.814939	0.120208	61.00000	0.02449
0.01189	=					
		0.01142	-0.00002	-0.00018	0.00149	
AS3	7	0.448305	0.814939	0.120208	-61.00000	0.02449
0.01189	=					
		0.01142	-0.00002	-0.00018	0.00149	
SB4	4	0.446198	0.185107	0.622004	11.00000	0.02320
0.01980	=					
		0.01703	0.00200	0.00191	0.00054	
SB5	4	0.057163	0.326021	0.134360	11.00000	0.02247
0.01505	=					
		0.01810	-0.00272	0.00337	0.00372	
SB6	4	0.360518	0.190167	0.368185	101.00000	0.04838
0.02646	=					
		0.03167	-0.01131	-0.01250	0.01565	
AG6	1	0.370261	0.184567	0.333959	-101.00000	0.04838
0.02646	=					
		0.03167	-0.01131	-0.01250	0.01565	
SB7	4	0.148082	0.067414	0.870424	71.00000	0.02599
0.01198	=					
		0.01632	-0.00262	0.00119	0.00234	

AG7	1	0.141254	0.049579	0.844997	-71.00000	0.02599	
0.01198	=						
		0.01632	-0.00262	0.00119	0.00234		
SB8	4	0.059277	0.065233	0.118783	81.00000	0.02190	
0.01705	=						
		0.01503	-0.00106	0.00117	-0.00094		
AS8	7	0.059277	0.065233	0.118783	-81.00000	0.02190	
0.01705	=						
		0.01503	-0.00106	0.00117	-0.00094		
SB9	4	0.375436	0.935817	0.347885	11.00000	0.02380	
0.02488	=						
		0.01476	-0.00273	-0.00182	0.00470		
SB10	4	0.444343	0.925581	0.630466	11.00000	0.01899	
0.03295	=						
		0.02151	-0.00271	-0.00216	0.00996		
SB11	4	0.046726	0.561934	0.118813	91.00000	0.01723	
0.01517	=						
		0.01746	0.00190	0.00143	-0.00347		
AS11	7	0.046726	0.561934	0.118813	-91.00000	0.01723	
0.01517	=						
		0.01746	0.00190	0.00143	-0.00347		
SB12	4	0.545340	0.941695	0.882831	11.00000	0.02299	
0.02942	=						
		0.02523	0.00925	-0.00943	-0.00454		
AG1	1	0.357800	0.812601	0.845675	121.00000	0.04847	
0.02796	=						
		0.05329	-0.00272	-0.01000	-0.00873		
HG1	6	0.357800	0.812601	0.845675	-121.00000	0.04847	
0.02796	=						
		0.05329	-0.00272	-0.01000	-0.00873		
CU2A	5	0.147155	0.185010	0.321482	10.30000	0.02814	
0.05492	=						
		0.03150	-0.01111	-0.00848	0.00081		
AG2A	1	0.147155	0.185010	0.321482	10.25000	0.02814	
0.05492	=						
		0.03150	-0.01111	-0.00848	0.00081		
AG2B	1	0.133886	0.176571	0.354895	10.28000	0.02814	
0.05492	=						
		0.03150	-0.01111	-0.00848	0.00081		
HG2B	6	0.133886	0.176571	0.354895	10.17000	0.02814	
0.05492	=						
		0.03150	-0.01111	-0.00848	0.00081		
rem	CU2	5	0.146935	0.185067	0.320838	121.00000	0.03088
0.05							
rem	HG2	6	0.134387	0.176633	0.354511	-121.00000	0.03088
0.05							
AG3	1	0.359717	0.056019	0.829584	10.55000	0.05451	
0.04424	=						
		0.08094	0.00159	0.04451	0.00757		
CU3	5	0.359717	0.056019	0.829584	10.27000	0.05451	
0.04424	=						
		0.08094	0.00159	0.04451	0.00757		
HG3	6	0.359717	0.056019	0.829584	10.18000	0.05451	
0.04424	=						

		0.08094	0.00159	0.04451	0.00757	
AG4	1	0.131269	-0.062062	0.335557	111.00000	0.05064
0.05175	=					
		0.03292	0.02502	-0.01083	-0.01911	
HG4	6	0.131269	-0.062062	0.335557	-111.00000	0.05064
0.05175	=					
		0.03292	0.02502	-0.01083	-0.01911	
S1	3	0.399762	0.697763	0.020924	11.00000	0.02000
0.02374	=					
		0.02369	-0.00476	-0.00093	-0.00818	
S2	3	0.016563	0.199802	0.293111	11.00000	0.02101
0.01013	=					
		0.03125	-0.00285	0.00713	-0.00202	
S3	3	0.105505	0.168182	0.004718	11.00000	0.02478
0.00914	=					
		0.02492	0.00224	-0.00378	0.00172	
S4	3	0.154512	0.793478	0.214891	11.00000	0.01786
0.01829	=					
		0.02072	-0.00039	-0.00065	0.00073	
S5	3	0.095638	0.648987	0.989766	11.00000	0.01704
0.01358	=					
		0.02328	0.00652	0.00330	0.00071	
S6	3	0.498765	0.836796	0.759317	11.00000	0.02604
0.01279	=					
		0.05972	-0.00456	-0.00928	0.00000	
S7	3	0.170648	0.313461	0.223576	11.00000	0.01986
0.03268	=					
		0.02178	-0.00376	-0.00166	0.00680	
S8	3	0.233627	0.692315	0.431851	11.00000	0.01604
0.02152	=					
		0.02726	-0.00532	-0.00862	0.00543	
S9	3	0.407105	0.291283	0.509460	11.00000	0.01771
0.03170	=					
		0.03278	0.01477	0.00004	-0.00288	
S10	3	0.340305	0.184509	0.723522	11.00000	0.01665
0.02663	=					
		0.02065	-0.00499	0.00361	-0.00080	
S11	3	0.241926	0.191878	0.443926	11.00000	0.03398
0.02612	=					
		0.03108	0.00036	-0.00514	0.00230	
S12	3	0.341855	0.821746	0.235698	11.00000	0.01879
0.02331	=					
		0.01859	0.00643	0.00063	0.00347	
S13	3	0.098516	0.961968	0.006366	11.00000	0.02278
0.01066	=					
		0.02399	-0.00503	0.00704	-0.00276	
S14	3	0.002224	0.410812	0.267107	11.00000	0.01917
0.00773	=					
		0.02028	-0.00271	0.00782	-0.00259	
S15	3	0.343356	0.043937	0.221540	11.00000	0.02173
0.03429	=					
		0.01789	-0.00564	0.00186	-0.00866	
S16	3	0.097064	0.441356	0.026777	11.00000	0.02995
0.01639	=					

		0.01999	0.00120	0.01057	0.00032	
S17	3	0.153879	0.576967	0.231540	11.00000	0.02411
		0.02200 =				
		0.01580	0.00443	-0.00324	-0.00089	
S18	3	0.482201	0.044987	0.787747	11.00000	0.02352
		0.01917 =				
		0.05730	0.00725	-0.00580	0.00179	
S19	3	0.258714	0.948124	0.427566	11.00000	0.02401
		0.03039 =				
		0.01994	0.00133	-0.00310	0.00954	
S20	3	0.400231	0.908670	-0.001472	11.00000	0.01988
		0.02551 =				
		0.01732	0.00713	-0.00784	-0.00283	
S21	3	0.401892	0.083249	0.502570	11.00000	0.02077
		0.03956 =				
		0.02010	-0.01032	-0.00320	0.00936	
S22	3	0.161261	0.057212	0.227086	11.00000	0.02339
		0.03262 =				
		0.01604	0.00334	-0.00483	-0.00570	
S23	3	0.265585	0.064008	0.950378	11.00000	0.03017
		0.02194 =				
		0.02728	0.00372	0.00199	0.00110	
S24	3	0.331045	0.934157	0.713704	11.00000	0.01704
		0.02672 =				
		0.02398	-0.00009	-0.00373	0.00537	
HKLF 4						

REM andorite_0m in P 21/c
 REM R1 = 0.0672 for 9756 Fo > 4sig(Fo) and 0.0813 for all 11259 data
 REM 424 parameters refined using 0 restraints

END

WGHT 0.1545 162.1873

REM Highest difference peak 6.569, deepest hole -3.575, 1-sigma level 0.739

Q1	1	0.4607	0.9610	0.6121	11.00000	0.05	6.57
Q2	1	0.1550	0.6956	0.3160	11.00000	0.05	6.36
Q3	1	0.2530	0.0950	0.5886	11.00000	0.05	5.88
Q4	1	0.2622	0.2902	0.5842	11.00000	0.05	5.59
Q5	1	0.2465	0.8443	0.5816	11.00000	0.05	5.21
Q6	1	0.2362	0.0504	0.5818	11.00000	0.05	5.03
Q7	1	0.5605	0.9092	0.8684	11.00000	0.05	5.02
Q8	1	0.5493	0.9630	0.8799	11.00000	0.05	4.89
Q9	1	0.2578	0.9562	0.0810	11.00000	0.05	4.36
Q10	1	0.3805	0.2127	0.3405	11.00000	0.05	4.31
Q11	1	0.3986	0.0573	0.8371	11.00000	0.05	4.23
Q12	1	0.9387	0.3341	0.3787	11.00000	0.05	4.13
Q13	1	0.4556	0.7944	0.1126	11.00000	0.05	4.09
Q14	1	0.1160	0.0359	0.8438	11.00000	0.05	4.04
Q15	1	0.3635	0.0925	0.8532	11.00000	0.05	4.03
Q16	1	0.4520	0.8408	0.1192	11.00000	0.05	4.00

Q17	1	0.4451	0.9072	0.6223	11.00000	0.05	3.98
Q18	1	0.1270	-0.0809	0.3438	11.00000	0.05	3.93
Q19	1	0.2512	0.9085	0.0801	11.00000	0.05	3.91
Q20	1	0.2569	0.7916	0.5805	11.00000	0.05	3.87

;

_shelx_res_checksum 2745

_shelx_hkl_file

;

0	0	2	9.33190	0.81667	3
0	0	-2	9.89284	0.79290	3
0	0	-3	-0.0061	0.2250	3
0	0	-4	3996.21	190.68	3
0	0	5	-0.1261	0.3557	1
0	0	6	43.7506	2.0021	1
0	0	7	-0.1946	0.7153	1
0	0	8	869.170	37.313	1
0	0	9	-0.7992	0.6472	1
0	0	10	1.77275	0.90594	1
0	0	11	-0.5955	0.6675	1
0	0	12	8.53138	0.87440	1
0	0	13	0.41285	0.70162	1
0	0	14	84.7255	3.9419	1
0	0	15	-0.2719	0.8175	1
0	0	16	20.1168	1.5196	1
0	0	17	0.34860	0.92436	1
0	0	18	27.4101	1.8270	1
0	-1	0	0.12743	0.08117	3
0	-1	0	0.01768	0.02892	3
0	1	0	-0.0047	0.0256	3
0	1	0	-0.0212	0.0636	3
0	-1	1	0.02104	0.06734	3
0	-1	1	-0.0228	0.0878	3
0	-1	-1	-0.0439	0.0564	3
0	-1	-1	-0.0321	0.0998	3
0	1	1	-0.0504	0.0731	3
0	1	-1	0.04319	0.07512	3
0	1	1	-0.0180	0.1205	3
0	1	-1	-0.0606	0.0806	3
0	-1	-2	-0.0572	0.2454	3
0	-1	-2	0.07665	0.11067	3
0	-1	2	-0.0283	0.1357	3
0	-1	2	0.01665	0.19591	3
0	1	2	-0.0646	0.2215	3
0	1	-2	-0.0850	0.1117	3
0	1	-2	-0.1314	0.1608	3
0	-1	3	0.36616	0.25847	3
0	-1	3	0.11634	0.16758	3
0	1	3	0.03703	0.27684	3
0	1	-3	-0.2269	0.2782	3
0	1	3	-0.2069	0.3312	3
0	-1	5	0.14010	0.32321	1
0	1	5	-0.1386	0.4367	1
0	1	-5	0.28227	0.43777	3

0	-1	7	3.90073	1.13209	1
0	-1	9	152.027	6.025	1
0	1	9	121.846	6.008	1
0	-1	10	0.46087	1.06981	1
0	1	10	-0.2417	0.5327	1
0	-1	11	9.68676	1.31272	1
0	1	11	5.25177	0.71455	1
0	-1	12	0.97504	0.85564	1
0	1	12	0.05378	0.67369	1
0	-1	13	25.2491	1.8109	1
0	1	13	19.5991	1.3992	1
0	-1	14	52.5972	2.4711	1
0	1	14	44.4741	2.4444	1
0	-1	15	12.4129	1.1744	1
0	1	15	9.18923	1.05900	1
0	-1	16	-0.2246	0.8769	1
0	1	16	-0.6818	0.8800	1
0	-1	17	10.7653	1.2203	1
0	1	17	9.53964	1.17847	1
0	-1	18	18.0758	1.4613	1
0	1	18	14.2550	1.4188	1
0	-2	0	0.09886	0.17164	3
0	-2	0	-0.0357	0.1135	3
0	2	0	-0.1574	0.1257	3
0	2	0	-0.0092	0.1484	3
0	-2	-1	0.11868	0.13991	3
0	-2	1	0.07879	0.15488	3
0	-2	-1	0.09312	0.30525	3
0	-2	1	0.00128	0.11144	3
0	2	1	-0.0204	0.0573	3
0	2	-1	-0.0845	0.1556	3
0	2	-1	-0.2026	0.1825	3
0	2	1	0.05634	0.16976	3
0	-2	2	0.13591	0.21618	3
0	-2	-2	0.34019	0.17306	3
0	-2	2	0.35067	0.36452	3
0	2	-2	0.46618	0.24301	3
0	2	2	-0.1120	0.1780	3
0	2	2	-0.0868	0.3224	3
0	-2	3	0.32326	0.45379	3
0	-2	3	0.15486	0.43265	3
0	-2	-3	0.55459	0.21197	3
0	2	-3	0.15814	0.46747	3
0	2	3	-0.2340	0.4075	3
0	2	3	0.11230	0.20421	3
0	-2	4	-0.1100	0.2176	3
0	-2	4	-0.5038	0.2823	1
0	-2	-4	-0.0450	0.4105	3
0	-2	4	-0.5836	0.4730	3
0	2	4	-0.0920	0.4183	3
0	2	4	0.28680	0.30104	1
0	2	-4	-0.3055	0.2951	3
0	2	4	0.33283	0.44234	3
0	-2	-5	0.08126	0.22696	3

0	-2	5	0.01572	0.32002	3
0	-2	5	-0.2328	0.2932	1
0	-2	5	0.67325	0.46348	3
0	2	5	-0.0642	0.3210	1
0	2	-5	-0.1576	0.3750	3
0	-2	6	-0.3034	0.4327	1
0	-2	6	0.69612	0.33796	3
0	2	6	-0.1106	0.3482	1
0	-2	7	-0.8868	0.3799	1
0	2	7	-0.1069	0.3846	1
0	-2	8	0.41481	0.46690	1
0	2	8	-0.5733	0.4727	1
0	-2	9	1.84639	1.39848	1
0	2	9	0.53503	0.53909	1
0	-2	10	0.25988	0.54131	1
0	2	10	-0.0170	0.5667	1
0	-2	11	-1.4341	0.5621	1
0	2	11	-0.8489	0.6256	1
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0	2	12	0.67289	0.69173	1
0	-2	13	0.27899	0.78451	1
0	2	13	0.04777	0.72361	1
0	-2	14	0.61561	1.07224	1
0	2	14	0.24007	0.78383	1
0	-2	15	-0.1585	1.1219	1
0	2	15	-0.3829	0.8702	1
0	-2	16	-0.4491	0.8703	1
0	2	16	0.61326	0.91549	1
0	-2	17	-0.2872	0.9015	1
0	2	17	-1.4887	0.9863	1
0	-2	18	0.82038	0.96471	1
0	2	18	-0.3035	1.8889	1
0	-3	0	-0.0044	0.2184	3
0	-3	0	-0.1490	0.2596	3
0	3	0	0.37395	0.25743	3
0	3	0	-0.0154	0.2233	3
0	-3	1	37.7175	1.7963	3
0	-3	-1	38.3410	2.0618	3
0	-3	1	35.2320	1.8138	3
0	3	-1	31.3698	1.9427	3
0	3	1	35.4539	1.8074	3
0	3	-1	38.3654	1.8596	3
0	-3	-3	-0.1512	0.2590	3
0	-3	3	-0.4865	0.4601	3
0	-3	3	0.67564	0.37644	3
0	3	-3	0.42555	0.35864	3
0	3	3	0.04666	0.24761	3
0	3	3	0.63661	0.34780	3
0	-3	4	0.08584	1.50181	3
0	-3	-4	0.09630	0.31471	1
0	-3	-4	-0.0680	0.2721	3
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0	3	-4	1.23482	0.39901	3
0	3	4	0.66491	0.33480	1

0	3	4	0.19777	0.25655	3
0	-3	5	0.03148	0.30117	1
0	-3	-5	0.23854	0.26424	3
0	3	-5	1.58748	0.34425	3
0	-3	6	11.5170	0.8054	3
0	3	6	11.7990	0.7564	1
0	3	-6	10.2569	0.8856	3
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0	3	7	20.6864	1.2141	1
0	3	8	10.4299	0.8481	1
0	-3	9	1.34159	0.54523	1
0	3	9	2.30834	0.58174	1
0	-3	10	6.04790	0.81561	1
0	3	10	9.81429	0.87745	1
0	-3	11	33.6277	3.1844	1
0	3	11	40.1065	1.9967	1
0	-3	12	5.61265	1.12426	1
0	3	12	6.89026	0.87589	1
0	-3	13	0.70750	1.45095	1
0	3	13	-0.3433	0.7685	1
0	-3	14	3.22799	1.49506	1
0	3	14	5.65704	0.96264	1
0	-3	15	85.8704	4.3947	1
0	3	15	92.5395	4.2086	1
0	-3	16	3.17719	1.68886	1
0	3	16	3.66410	1.85291	1
0	-3	17	1.28074	0.93543	1
0	-3	-17	0.42359	1.65148	1
0	3	17	0.26036	0.96173	1
0	-3	18	2.59543	0.98680	1
0	-3	-18	2.83853	1.09646	1
0	3	18	1.35694	1.05248	1
0	-4	0	70.6286	4.2268	3
0	-4	0	76.9517	4.2545	3
0	4	0	70.2240	4.2485	3
0	4	0	72.7905	4.2280	3
0	-4	-1	433.655	20.353	3
0	-4	1	419.830	20.368	3
0	-4	1	430.010	20.356	3
0	4	-1	407.296	20.364	3
0	4	1	435.989	20.352	3
0	4	1	427.651	20.365	3
0	-4	-2	10.3081	0.8346	3
0	-4	2	9.36888	0.85305	3
0	4	-2	9.83758	0.92084	3
0	4	2	9.60138	0.88071	3
0	-4	3	625.205	25.968	1
0	-4	3	596.404	28.913	3
0	-4	-3	626.511	26.411	1
0	-4	-3	619.931	29.117	3
0	4	-3	568.782	28.936	3
0	4	3	588.826	28.929	3
0	4	3	613.754	28.910	3
0	-4	-4	0.01883	0.34979	1

0	-4	4	0.23790	0.42686	3
0	-4	-4	-0.0221	0.4124	3
0	-4	4	0.01937	0.28317	1
0	-4	4	-0.1739	0.4049	3
0	4	-4	0.16000	0.42057	3
0	4	4	0.27045	0.39755	3
0	4	4	-0.1673	0.4871	3
0	-4	5	57.7826	3.2496	3
0	-4	5	58.7147	2.8763	3
0	-4	-5	56.0992	2.8200	3
0	-4	5	59.3760	2.5696	1
0	-4	-5	55.1092	3.2454	1
0	4	5	59.2999	2.8089	3
0	4	-5	51.7237	2.8632	3
0	4	5	59.9470	2.8531	3
0	-4	6	2.09639	0.35276	3
0	-4	6	1.70939	0.45888	3
0	-4	6	1.57067	0.37744	1
0	-4	-6	1.35405	0.39607	1
0	-4	-6	2.28761	0.34289	3
0	4	6	1.63404	0.41976	1
0	4	-6	1.34477	0.40490	3
0	4	6	2.02189	0.43078	3
0	-4	7	1249.89	58.84	3
0	-4	7	1237.22	53.08	1
0	-4	-7	1248.61	52.86	1
0	-4	7	1188.62	58.54	3
0	4	7	1249.09	52.60	1
0	4	7	1185.94	58.53	3
0	-4	8	7.14773	0.66274	1
0	-4	8	6.79291	0.71797	3
0	4	8	7.48750	1.11527	1
0	-4	9	342.911	14.915	1
0	4	9	347.321	14.933	1
0	-4	10	9.66396	0.88468	1
0	4	10	10.2956	0.9730	1
0	-4	11	1351.68	58.02	1
0	-4	12	0.54576	1.76348	1
0	4	12	1.24794	0.92700	1
0	-4	13	131.446	6.963	1
0	4	13	141.132	7.185	1
0	-4	14	10.9996	2.0134	1
0	4	14	10.6034	1.4359	1
0	-4	-15	356.909	15.714	1
0	-4	15	357.584	15.959	1
0	4	15	368.168	15.741	1
0	-4	-16	15.4722	1.3449	1
0	-4	16	13.3072	1.8146	1
0	4	16	13.2244	1.3277	1
0	-4	17	1.38658	1.86588	1
0	-4	-17	0.11023	1.02360	1
0	4	17	-0.1105	0.9836	1
0	-4	-18	2.18693	1.27073	1
0	-4	18	2.42719	1.03255	1

0	-5	0	0.31708	0.35763	3
0	-5	0	-0.1825	0.4196	3
0	5	0	-0.3159	0.3994	3
0	5	0	0.57816	0.37112	3
0	-5	1	67.7660	3.4182	3
0	-5	1	69.4535	3.7852	3
0	-5	-1	67.1128	3.3816	3
0	5	1	68.7737	3.3812	3
0	5	-1	70.1821	3.5070	3
0	5	1	70.5665	3.4182	3
0	-5	-2	0.60000	0.42733	3
0	-5	2	0.39122	0.39542	3
0	-5	2	-0.1266	0.3199	1
0	-5	2	-0.0100	0.4456	3
0	-5	-2	-0.0692	0.3536	1
0	5	2	0.65419	0.44847	3
0	5	-2	-0.2038	0.4342	3
0	5	2	0.29343	0.57188	3
0	-5	3	33.3439	1.8867	3
0	-5	-3	34.5342	1.8895	3
0	5	3	40.2192	1.9439	3
0	5	-3	38.9635	1.9639	3
0	5	3	38.4841	1.8577	3
0	-5	4	32.9108	1.8879	3
0	-5	4	39.9992	1.9682	3
0	-5	4	35.5512	1.7226	1
0	-5	-4	35.7457	2.1877	3
0	5	4	33.7185	1.8872	3
0	5	-4	42.1561	1.9971	3
0	5	4	43.4894	1.9701	3
0	-5	5	19.7453	1.1824	1
0	-5	5	21.1115	1.2174	3
0	-5	-5	20.3033	1.1180	3
0	-5	5	17.9507	1.0872	3
0	5	-5	21.1017	1.6021	3
0	5	5	22.6794	1.2026	3
0	5	5	18.1730	1.1920	3
0	-5	-6	14.1064	1.2262	3
0	-5	6	15.9887	1.0673	3
0	-5	6	14.6572	1.0535	3
0	-5	6	15.6504	0.9167	1
0	5	6	17.1497	1.0368	3
0	5	-6	16.6077	1.6244	3
0	-5	7	21.0211	1.4666	1
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0	5	-7	18.8110	1.6911	3
0	5	7	21.7498	1.2149	3
0	-5	-8	0.53271	0.53933	1
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0	5	8	1.22659	0.99021	3
0	5	8	2.04792	0.67406	3

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0	-5	-10	68.7445	3.1886	1
0	-5	10	66.6283	3.1237	1
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0	-5	-12	2.84444	0.78797	1
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0	5	12	2.63528	0.79296	1
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0	-5	-15	60.5954	3.0790	1
0	-5	-16	1.98888	2.03924	1
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0	10	-2	0.41192	0.34767	2
0	10	2	1.52441	0.94600	3
0	-10	-3	0.87713	0.54617	1
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0	-10	3	1.04532	1.04172	3
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0	-14	10	4.19829	3.77304	3
0	-14	-10	2.66629	0.92107	1
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0	14	10	3.33873	0.94341	3
0	-14	-11	1.83017	1.01792	1
0	-14	11	1.26060	0.84087	1
0	-14	11	1.31599	0.69457	3
0	14	11	1.83077	1.18078	3
0	-14	12	0.71505	1.35926	1
0	-14	-12	0.24345	1.67179	1

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0	-14	13	0.53283	1.62284	1
0	-14	-13	2.18070	1.05377	1
0	-14	14	1.56438	0.98217	1
0	-14	-14	1.81576	1.09378	1
0	-15	0	1.88659	0.72983	1
0	-15	0	3.90979	0.81897	2
0	-15	0	2.06987	0.82943	3
0	15	0	2.53076	0.90672	3
0	15	0	2.66363	0.51241	2
0	-15	-1	66.5566	3.3533	2
0	-15	1	66.5382	3.2885	2
0	-15	-1	63.0856	4.0502	3
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0	15	-1	62.1351	3.4792	3
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0	15	-1	66.1686	3.0998	2
0	15	1	60.1212	3.4359	3
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0	-15	2	5.37070	0.89919	3
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0	15	2	6.40762	1.03364	3
0	15	2	4.08893	0.49307	2
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0	-15	3	21.3938	1.5474	3
0	-15	-3	21.7143	1.4780	1
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0	-15	-3	23.8334	1.7940	2
0	15	3	23.1255	1.7002	3
0	15	3	23.6437	1.2252	2
0	15	-3	22.1918	2.0722	2
0	-15	4	35.4810	3.0312	3
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0	-15	-4	33.6739	2.1580	2
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0	-15	-5	206.603	9.160	1
0	15	-5	211.883	9.719	2
0	15	5	205.835	10.251	3
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0	-15	9	0.34943	1.16802	3
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0	15	9	0.01372	0.94296	3
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0	-16	0	1613.71	71.32	2
0	-16	0	1522.14	74.16	3
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0	-16	1	8.13985	1.04175	3
0	16	1	7.89981	0.66390	2
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0	16	1	6.10370	1.14432	3
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0	-16	-2	3.11347	0.89363	2
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0	16	2	2.20394	1.02897	3
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0	16	3	7.99635	0.73271	2
0	16	3	9.73723	1.22865	3
0	16	-3	9.81877	0.81544	2
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0	-18	-9	1.09764	1.02706	1
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-1	-2	15	4.09380	0.90805	1
-1	2	15	4.15265	0.97656	1
-1	-2	16	14.8765	1.3523	1
-1	2	16	13.5200	1.3050	1
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-1	2	17	5.15354	1.11695	1
-1	-2	18	0.86456	1.01998	1
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1	3	16	5.62512	1.50187	1
1	-3	15	41.9610	2.5697	1
1	3	15	43.4148	2.3273	1
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-1	-3	-4	7.92940	0.65541	3
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-1	3	-1	7.67133	0.57626	3
-1	3	-1	8.46146	0.55258	3
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-1	-3	2	-0.0946	0.2898	3
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-1	-3	3	1.23774	0.27999	3
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-1	3	3	1.23423	0.52394	3
-1	-3	6	13.2521	1.4885	3
-1	-3	6	17.8531	0.9599	1
-1	3	6	17.5957	0.9601	3
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-1	-3	10	8.71296	1.65618	1
-1	3	10	11.8636	0.9813	1
-1	-3	11	115.421	5.304	1
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-1	-10	-3	9.64046	0.75816	1
1	10	3	8.71767	0.53873	2
-1	10	-3	9.74783	0.99410	3
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-1	10	-3	7.44971	0.68372	2
1	-10	2	104.604	5.202	3
1	-10	2	99.6787	4.9954	2
1	-10	2	106.953	4.666	1
-1	-10	-2	105.485	4.664	1
-1	-10	-2	105.568	5.200	3

-1	-10	-2	101.417	5.300	2
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-1	10	-2	104.679	5.245	3
1	10	2	105.865	4.910	2
1	10	2	106.144	5.190	3
1	-10	1	1.89912	0.46951	2
1	-10	1	1.46000	0.48768	1
-1	-10	-1	1.31960	0.54191	3
1	-10	1	0.33426	0.53654	3
-1	-10	-1	0.80758	0.58499	2
-1	-10	-1	0.33640	0.46984	1
-1	10	-1	0.98805	0.60735	3
1	10	1	0.42614	0.63038	3
1	10	1	0.97371	0.30936	2
-1	10	-1	0.58078	0.32752	2
1	-10	0	8.44582	0.79413	1
1	-10	0	9.35066	0.75214	2
-1	-10	0	9.07619	0.81941	2
1	-10	0	8.48706	0.84822	3
-1	-10	0	7.33947	1.07265	1
-1	-10	0	8.15540	0.80918	2
-1	-10	0	7.69115	0.85717	3
-1	10	0	9.92751	0.89198	3
1	10	0	9.16942	0.88446	3
-1	10	0	8.51354	0.65689	2
1	10	0	7.73039	0.64553	2
-1	-10	1	1.06522	0.48907	1
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1	-10	-1	1.47947	0.55686	2
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-1	-10	1	0.77841	0.51635	2
1	10	-1	1.02247	0.61646	3
-1	10	1	1.40211	0.62773	3
-1	10	1	0.85344	0.32227	2
1	10	-1	0.49514	0.90516	2
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-1	-10	2	105.657	5.835	3
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1	10	-2	100.208	5.204	3
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-1	10	4	6.95513	0.83003	3
-1	10	4	8.47451	0.80498	3
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-1	-10	7	3.93080	0.68099	3
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-1	-10	9	2.44099	0.66850	3
-1	-10	9	1.83114	0.67430	1
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-1	-10	14	0.86355	0.87103	1
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1	-11	14	3.96604	1.19742	1
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-1	-11	-13	9.59675	1.14980	1
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-1	11	-5	15.9990	1.0491	2
-1	-11	-4	1.89219	1.15509	1
-1	-11	-4	1.61232	0.70113	2
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-1	-11	-3	23.7820	1.3739	1
-1	-11	-3	23.6475	1.5199	3
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-1	-11	-2	3.32655	0.71993	2
-1	-11	-2	3.03353	1.23084	1
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-1	-11	-2	3.62903	1.20266	3
-1	11	-2	4.02442	1.53325	3
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1	14	-8	13.0678	0.9691	2
1	-14	-9	3.30082	0.90684	1
-1	-14	9	3.33458	0.82989	1
-1	-14	9	3.89650	0.79344	3
-1	14	9	5.35817	0.99421	3
-1	-14	10	18.3142	1.3812	1
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-1	-14	10	18.5446	2.0645	3
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-1	-14	11	0.40720	0.69764	3
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-1	-14	12	19.5896	1.3610	3
-1	-14	12	20.1753	1.5295	1
1	-14	-12	25.7485	1.9334	1
-1	14	12	21.6351	1.9954	3
-1	-14	13	11.9951	1.2726	1
1	-14	-13	14.0624	1.3549	1
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1	-14	-14	22.5995	1.7395	1
-1	-15	-14	4.84049	1.14551	1
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-1	-15	-13	1.48474	1.04912	1
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-1	-15	-11	28.5951	1.7810	1
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-1	-15	-10	4.53895	1.27009	1
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1	-15	10	4.03363	1.77446	1
1	15	10	3.59015	0.95835	3
-1	-15	-9	24.5386	2.7362	1
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-1	-15	0	0.25479	0.69819	1
-1	-15	0	1.34686	0.79706	3
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-1	-17	-11	4.30231	1.48417	1
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-1	-17	-9	4.98356	1.03841	1
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-1	-17	-8	1.06387	0.94953	1
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-1	-17	-1	18.6604	1.4066	1
-1	17	-1	18.8982	1.2683	2
1	17	1	21.0685	1.1948	2
1	17	1	20.4864	1.7169	3
1	-17	0	10.6833	1.1934	3
1	-17	0	9.49357	1.00493	1
-1	-17	0	10.0086	1.0919	2
-1	-17	0	8.57444	1.47060	1
1	-17	0	9.52017	1.04030	2
-1	17	0	9.71149	1.31455	3
-1	17	0	9.67086	0.88755	2
1	17	0	8.60483	1.27818	3

1	17	0	10.1724	0.8818	2
1	-17	-1	21.2047	1.6614	2
-1	-17	1	19.0710	1.6380	2
-1	-17	1	17.9989	1.8432	3
1	-17	-1	19.5301	1.8487	1
-1	-17	1	18.4179	1.3897	1
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1	17	-1	19.1567	1.2179	2
1	17	-1	18.5067	1.7451	3
-1	17	1	19.5757	1.6730	3
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1	-17	-2	25.8895	1.8623	2
-1	-17	2	23.1292	1.5446	1
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1	-17	-2	24.1597	1.5964	1
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-1	17	2	21.8490	1.8398	3
-1	17	2	25.3916	1.3823	2
1	-17	-3	28.7433	1.7927	1
-1	-17	3	29.4076	2.8595	3
-1	-17	3	28.2569	1.7300	1
1	-17	-3	30.5804	2.0087	2
-1	-17	3	28.8983	1.8226	2
-1	17	3	30.9973	2.0515	3
1	17	-3	29.6837	1.6904	2
-1	17	3	30.4447	1.5541	2
-1	-17	4	4.08826	0.87252	1
1	-17	-4	5.40369	0.95508	2
-1	-17	4	5.74255	0.96761	3
-1	-17	4	3.34707	0.61609	2
1	-17	-4	3.78621	0.96116	1
1	17	-4	5.20425	0.80875	2
-1	17	4	4.68177	1.12775	3
1	-17	-5	18.2207	1.6699	2
-1	-17	5	14.7563	1.3572	3
-1	-17	5	15.7926	1.8958	1
1	-17	-5	16.0113	2.2727	1
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1	17	-5	15.3196	1.2130	2
1	-17	-6	41.8943	2.5151	2
-1	-17	6	39.6288	2.1806	1
1	-17	-6	37.2883	2.2367	1
-1	-17	6	38.0972	2.3454	3
1	17	-6	42.5660	2.2125	2
-1	17	6	43.0011	2.5056	3
1	-17	-7	1.96167	0.96782	1
1	-17	-7	3.01091	0.96413	2
-1	-17	7	1.74087	1.59748	1
-1	-17	7	2.90407	1.78726	3
1	17	-7	2.42316	0.68646	2
-1	17	7	3.34353	1.09201	3
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-1	-17	8	1.00237	0.88341	3

-1	17	8	3.00886	1.07498	3
1	17	-8	1.25673	0.70304	2
1	-17	-9	5.98579	1.14797	1
-1	-17	9	4.66350	1.36181	1
-1	-17	9	5.94507	1.80988	3
-1	17	9	5.15703	1.17274	3
1	17	-9	5.10868	0.84287	2
-1	-17	10	10.9667	1.6883	1
1	-17	-10	7.55552	1.15118	1
-1	-17	11	3.59324	1.04120	1
1	-17	-11	4.58436	1.86679	1
1	-17	-12	1.45150	2.14950	1
-1	-17	12	0.95902	0.98772	1
-1	-18	-12	12.0747	1.6938	1
1	-18	12	10.7230	1.2663	1
-1	-18	-11	6.16203	1.19148	1
1	-18	11	6.13751	1.12309	1
1	-18	10	1.01759	0.93429	1
-1	-18	-10	2.43535	1.04202	1
1	-18	9	0.94744	0.96444	1
-1	-18	-9	1.56551	1.04445	1
-1	18	-9	2.84536	0.78732	2
1	-18	8	26.1464	3.1239	3
-1	-18	-8	19.8278	1.5988	1
1	-18	8	20.7193	1.5563	1
1	18	8	20.2296	1.9866	3
-1	18	-8	21.9225	1.5267	2
1	-18	7	15.4598	1.3697	1
-1	-18	-7	16.5275	1.6699	2
1	-18	7	14.7572	1.3752	3
-1	-18	-7	17.2515	1.4063	1
1	18	7	18.3619	1.7643	3
-1	18	-7	14.3205	1.2420	2
-1	-18	-6	3.88064	1.03569	2
1	-18	6	5.66403	0.98004	3
1	-18	6	4.99447	2.50947	1
-1	-18	-6	5.28341	2.06895	1
1	18	6	5.91690	1.22584	3
-1	18	-6	4.90406	0.76712	2
1	-18	5	1.08201	0.87644	3
-1	-18	-5	-0.6458	0.9023	1
1	-18	5	0.59329	0.80946	1
-1	-18	-5	0.13672	0.96345	2
1	18	5	1.45924	1.05872	3
-1	18	-5	-0.2750	1.4601	2
-1	-18	-4	20.7136	1.7334	2
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-1	-18	-4	17.3158	1.4446	1
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-1	18	-4	18.7965	1.3241	2
-1	-18	-3	10.2909	1.2408	2
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1	-18	3	10.6529	1.0809	1

-1	-18	-3	9.16827	1.11798	1
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1	-18	2	19.5419	1.4504	1
-1	-18	-2	19.6838	1.7327	1
-1	-18	-2	21.3061	1.7775	2
1	18	2	21.6975	1.7535	3
-1	18	-2	19.7438	1.3298	2
1	18	2	20.7595	1.1971	2
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-1	-18	-1	10.0406	1.1069	1
-1	-18	-1	11.4611	1.2387	2
-1	18	-1	11.0159	0.9562	2
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1	-18	0	6.87604	1.04763	1
-1	-18	0	6.04192	0.94667	1
-1	-18	0	7.08466	1.01250	2
-1	18	0	7.17125	0.72766	2
1	18	0	6.70687	0.69718	2
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-1	-18	1	10.6967	1.0793	1
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-1	18	1	12.4256	1.1976	2
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-1	18	1	11.6898	1.4394	3
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-1	-18	2	20.0101	1.5604	2
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-1	18	2	19.8384	1.2301	2
-1	18	2	19.8423	1.7364	3
-1	-18	3	9.12991	0.94657	2
-1	-18	3	7.91417	1.01291	1
1	-18	-3	12.0402	1.2109	2
-1	-18	3	9.03648	1.46142	3
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-1	18	3	8.44052	0.77297	2
1	18	-3	9.20673	1.17714	2
-1	-18	4	18.5736	1.3687	2
-1	-18	4	19.1392	1.4359	1
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1	-18	-4	18.6693	1.5327	1

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-1	-18	5	0.48498	1.28149	1
-1	-18	5	1.14039	0.86421	3
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1	-18	-6	2.69633	1.12662	1
-1	18	6	6.32686	1.21891	3
1	18	-6	4.63441	0.76532	2
-1	-18	7	17.5944	2.0676	1
1	-18	-7	18.4742	1.5033	2
1	-18	-7	14.5883	1.4353	1
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1	18	-7	14.6789	1.3129	2
-1	18	7	17.0807	1.6148	3
-1	-18	8	25.5027	2.2347	1
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-1	-18	9	2.43061	1.52445	3
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-1	-18	11	8.32706	1.18797	1
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1	-19	11	2.99273	1.05430	1
-1	-19	-10	2.51211	1.06400	1
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-1	-19	-9	4.37751	1.12304	1
1	-19	9	1.95374	0.98879	1
-1	19	-9	4.12560	0.85378	2
-1	-19	-8	31.8584	1.9938	1
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-1	-19	-7	6.87295	1.18266	2
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-1	-19	-7	5.05705	2.23665	1
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1	19	6	28.3784	2.4040	3
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1	-19	3	4.97140	1.04173	3
1	-19	3	4.43016	0.96624	1
-1	-19	-3	6.58407	1.78184	1
-1	-19	-3	5.33330	1.05890	2
-1	19	-3	4.03012	0.72128	2
1	19	3	5.77948	1.23380	3
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-1	-19	-2	1.10118	0.97061	2
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-1	-19	-2	1.66098	0.89471	1
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-1	19	-2	2.37901	0.64352	2
-1	-19	-1	22.9101	1.8228	2
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-1	-19	0	1.96098	0.92017	2
1	-19	0	2.29872	1.62511	2
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1	19	-2	2.43344	0.64165	2
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1	-19	-3	5.09567	1.05815	2
-1	-19	3	4.48416	1.01940	2
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-1	19	3	3.94104	0.48658	2
1	19	-3	4.65318	0.71276	2
-1	19	3	5.19350	1.20245	3
-1	-19	4	1.51872	0.94026	3
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-1	-19	5	0.61269	1.63496	1
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-1	-19	10	0.66646	1.43669	1
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-1	-20	-9	1.07301	1.08471	1

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-1	20	-8	0.92329	0.76100	2
-1	-20	-7	38.4587	2.2505	1
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-1	20	-7	37.4543	2.6403	2
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1	-20	-1	23.9028	1.6636	1
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1	-20	-2	13.4932	1.3407	2
1	-20	-2	14.6878	1.3342	1
1	20	-2	11.9196	1.0703	2
-1	20	2	13.9318	1.6245	3
-1	20	2	10.6156	0.9752	2
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-1	-20	3	35.1865	2.0785	2
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-1	-20	4	11.2404	0.9330	2
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1	-20	-5	6.50534	1.20085	2
-1	-20	5	5.71827	1.09006	3
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-1	20	6	5.90864	1.34372	3
1	20	-6	6.33318	2.26905	2
-1	-20	7	39.1855	3.6082	3
1	-20	-7	42.1403	2.5487	2
1	-20	-7	34.8547	2.2441	1
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-1	-20	8	1.12812	1.75625	1
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1	-20	-10	10.5803	1.3710	1

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-1	-21	-8	2.31442	1.11189	1
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1	-21	5	5.22497	2.14293	1
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-1	21	-5	5.87152	0.84990	2
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-1	-21	-2	25.9930	1.7837	1
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-1	21	-2	25.1847	1.6111	2
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-1	-21	0	0.25615	0.97358	2
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-1	21	0	0.96956	1.00080	2
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1	-21	-2	27.7160	2.3797	2
-1	-21	2	29.5105	2.4806	2
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-1	-22	-2	0.42082	1.05026	2
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1	22	1	13.4442	1.0274	2
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2	1	15	-0.1771	0.8086	1
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-2	-1	16	20.2549	1.4375	1
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-2	-1	17	5.72893	1.10016	1
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2	2	16	1.71542	0.91850	1
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-2	-2	-3	24.9779	1.3004	3
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-2	-4	8	22.7137	1.7211	3
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-2	4	8	25.9609	1.4056	1
-2	4	8	27.0742	1.8725	3
2	4	-8	24.4204	1.5002	3
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-2	-4	9	40.9374	2.5398	3
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-2	-4	9	42.6113	2.1724	3
-2	4	9	45.7567	2.5677	3
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-2	4	9	44.5089	3.1690	1
-2	-4	10	-0.2991	0.6540	3

-2	-4	10	0.27606	0.60450	1
-2	-4	10	0.30393	0.41898	3
-2	4	10	0.15923	1.36148	1
-2	-4	11	18.4236	1.2702	3
-2	-4	11	21.6966	2.6483	1
-2	4	11	20.1741	2.4344	1
-2	-4	12	2.31622	0.73243	1
-2	4	12	2.19373	1.89120	1
-2	-4	13	13.2806	1.1044	1
-2	4	13	13.4129	1.4515	1
-2	-4	14	1.89834	0.86857	1
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-2	4	14	-0.6676	0.8348	1
2	-4	-15	46.2825	2.5003	1
-2	-4	15	48.1279	2.4648	1
-2	4	15	47.1826	2.5136	1
2	-4	-16	-1.3102	0.9224	1
-2	-4	16	0.74447	0.91173	1
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2	-4	-17	35.5511	2.1396	1
-2	-4	17	33.6409	2.0497	1
-2	4	17	34.8162	2.0856	1
-2	-4	18	0.10065	0.94434	1
-2	-5	-17	7.27877	3.00810	1
2	-5	17	7.57835	1.11258	1
-2	-5	-16	10.0258	1.8961	1
2	-5	16	12.0971	1.1940	1
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-2	-5	-15	6.27622	1.06339	1
2	-5	14	4.93523	0.87380	1
-2	-5	-14	4.59403	0.94711	1
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-2	-5	-13	0.73836	0.77916	1
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2	5	13	0.39105	0.79383	1
2	-5	12	60.2574	2.8095	1
-2	-5	-12	60.2972	2.8338	1
2	5	12	54.2839	2.8439	1
-2	-5	-11	16.2117	1.2158	1
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2	5	11	15.3883	1.1964	1
-2	-5	-10	4.61120	0.69583	1
2	-5	10	7.25146	1.54436	1
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-2	-5	-9	3.96357	0.59297	1
2	5	9	1.07749	0.60051	1
-2	-5	-8	9.87341	0.92764	1
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-2	-5	-7	0.84385	1.19374	1
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2	-5	7	0.73523	0.43269	3
2	-5	6	19.2249	1.2809	1
2	-5	6	22.3467	1.5130	3

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-2	5	-6	22.0807	1.2864	3
2	5	6	23.1411	1.2635	3
-2	-5	-5	0.02290	0.37665	1
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-2	-5	-5	2.67908	0.37904	3
2	-5	5	1.68381	0.35878	3
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2	5	5	3.38641	0.44881	3
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2	-5	4	10.0162	1.0180	3
-2	-5	-4	8.90786	0.68554	3
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-2	-5	-3	17.1086	0.9845	3
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2	5	3	17.4197	1.0829	3
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2	5	3	18.0281	1.0967	3
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2	-5	0	33.1756	2.1245	3
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2	5	0	35.2022	1.9523	3
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-2	5	1	1.69424	0.52352	3
-2	-5	2	17.1586	1.2800	3
-2	-5	2	19.9574	1.0048	1

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-2	-5	3	13.1218	0.7660	1
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-2	-5	5	0.51971	2.01310	3
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-2	-6	2	0.51118	0.88885	3
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2	-9	1	2.35291	0.51741	2
2	-9	1	3.49885	0.55003	3
-2	9	-1	3.50923	0.62187	3
2	9	1	3.03589	0.64456	3
2	9	1	2.55229	0.31763	2
-2	9	-1	2.64498	0.36035	2
2	-9	0	15.8660	1.0704	3
-2	-9	0	17.1323	1.1910	2
2	-9	0	15.7722	0.9800	1
-2	-9	0	16.2688	1.1105	3
2	-9	0	15.2677	1.1161	2
-2	-9	0	18.0429	0.9681	1
-2	9	0	16.5354	0.9342	2
2	9	0	14.2072	1.1991	3
2	9	0	16.5984	0.9070	2
-2	9	0	14.4695	1.1428	3
2	-9	-1	2.85257	0.81075	1
-2	-9	1	2.28842	0.56524	2
2	-9	-1	2.63938	0.50702	2
2	-9	-1	2.52015	0.54646	3
-2	-9	1	2.87953	0.57819	1
-2	-9	1	3.10303	0.60930	3

-2	9	1	2.99663	0.36350	2
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2	9	-1	3.26012	0.65688	3
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-2	-9	2	102.508	4.361	1
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2	9	-2	91.4780	4.6195	2
2	9	-2	98.6377	4.9355	3
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2	-9	-3	35.9345	2.2785	1
-2	-9	3	41.0435	1.8520	1
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2	-9	-3	40.8603	2.3488	3
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2	-9	-3	38.8285	2.0270	2
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2	9	-3	33.7387	1.9077	2
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2	9	-3	39.2526	2.8431	3
-2	9	3	41.3891	2.0512	3
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-2	-9	4	5.91483	0.82730	3
2	-9	-4	9.74110	0.95103	2
-2	-9	4	7.68029	0.67987	2
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-2	-9	4	8.22128	0.79735	3
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-2	9	4	9.99511	0.93122	3
-2	9	4	9.07311	0.51617	2
-2	-9	5	1.53930	1.08201	3
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2	-9	-5	1.21664	0.60218	2
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2	-9	-6	44.9481	2.4194	2
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-2	9	7	114.375	5.601	3
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-2	-9	11	8.11122	0.91163	1
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-2	-9	12	32.0579	2.9446	1
2	-9	-12	24.3077	2.9497	1
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-2	-10	-14	0.97590	0.97646	1
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-2	-10	-10	-0.5245	0.7344	1
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2	-10	5	1.50251	0.84728	1
-2	-10	-5	1.62663	0.59428	1
-2	10	-5	1.62260	0.38355	2
-2	10	-5	2.22904	0.69988	3
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2	-10	4	0.93959	1.08035	3
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-2	10	-4	0.42028	0.36442	2
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2	-10	3	5.35360	0.42256	2
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-2	-10	-3	5.27577	0.64418	1
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-2	-10	-2	9.01287	0.80369	3
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-2	-10	0	0.57214	0.52871	3
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-2	10	0	0.77412	0.61643	3
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-2	-10	3	5.33110	0.69110	3
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-2	-10	5	0.19939	0.57724	3
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-2	-10	6	3.17371	0.65922	3
-2	-10	6	3.39294	0.66168	1
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-2	-10	9	72.8637	3.6820	3
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-2	-10	13	6.80496	1.01847	1
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-2	-10	14	-0.1411	0.8774	1
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2	-10	-15	0.51395	1.06370	1
2	-10	-16	-0.2429	1.1168	1
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-2	-11	-16	-0.6204	1.0650	1
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-2	-11	-13	6.97727	1.06654	1
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-2	-11	-8	113.320	5.210	1
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2	-11	2	151.688	8.176	3

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-2	-11	-2	148.646	7.445	3
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2	-11	-3	15.3648	1.1091	1
-2	-11	3	17.0341	1.1596	2
-2	-11	3	13.0340	1.0267	1
2	-11	-3	13.8013	1.3031	2
-2	-11	3	15.5168	1.1468	3

2	-11	-3	15.7479	1.1666	3
-2	11	3	16.2159	1.2549	3
2	11	-3	15.5952	0.9983	2
2	11	-3	14.2552	1.4834	3
-2	11	3	14.0590	0.8850	2
2	-11	-4	113.665	5.131	1
-2	-11	4	112.083	5.396	2
-2	-11	4	118.129	5.111	1
-2	-11	4	113.170	5.684	3
2	-11	-4	116.488	5.506	2
2	-11	-4	118.278	5.699	3
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-2	11	4	117.578	5.746	3
2	11	-4	115.558	5.752	3
-2	11	4	112.171	5.333	2
-2	-11	5	0.64555	0.25076	2
-2	-11	5	1.32956	0.56772	1
-2	-11	5	0.33482	0.63439	3
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-2	11	5	1.32435	0.77266	3
2	11	-5	0.00926	0.40221	2
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-2	-11	6	6.74317	0.72758	1
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2	-11	-6	5.93250	0.83040	1
-2	-11	6	6.40368	1.24074	3
-2	11	6	7.83863	0.94288	3
-2	-11	7	58.9928	2.9238	3
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-2	-11	7	56.9513	2.6681	1
-2	11	7	58.0123	3.0252	3
2	11	-7	48.6111	2.7433	2
2	-11	-8	116.840	5.319	1
-2	-11	8	118.533	5.838	3
-2	-11	8	120.601	5.405	1
-2	11	8	117.983	5.918	3
-2	-11	9	4.05205	0.75510	1
2	-11	-9	4.89840	1.44386	1
-2	-11	9	3.84645	0.68703	3
-2	11	9	4.45651	1.35435	3
-2	-11	10	11.1589	1.0465	1
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-2	11	11	8.05444	1.01368	3
-2	-11	12	14.3648	3.3815	3
2	-11	-12	18.6939	1.4573	1
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-2	11	12	16.2566	1.3674	3

-2	-11	13	5.02365	1.67483	1
-2	-11	13	5.00427	0.88799	3
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-2	-11	14	17.3798	1.4413	1
2	-11	-14	18.5585	1.5355	1
2	-11	-15	1.80538	1.05890	1
-2	-11	15	0.25624	0.94273	1
2	-11	-16	0.92983	1.08710	1
-2	-11	16	-0.0801	1.4855	1
-2	-12	-15	26.3923	2.4056	1
2	-12	15	28.0590	1.8095	1
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-2	-12	-14	3.78837	1.25182	1
-2	-12	-13	9.55273	2.14255	1
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2	-12	12	8.01833	0.76402	3
-2	-12	-12	8.94492	1.46592	1
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2	-12	11	15.8919	1.4236	3
-2	-12	-11	15.9766	1.3293	1
2	-12	10	2.79355	0.78789	1
-2	-12	-10	2.35976	0.81606	1
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-2	-12	-4	5.44360	0.76961	1
-2	-12	-4	3.29347	1.02069	2
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-2	12	3	1081.54	50.37	2
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-2	12	10	3.57141	1.19956	3
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-2	-12	11	16.7638	1.1883	3
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-2	-12	13	4.56600	0.98849	1
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-2	-12	13	5.30243	0.75332	3
-2	-12	14	3.33442	1.03177	1
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2	-13	-12	10.2799	1.1871	1
-2	-13	12	11.4964	1.5588	1
-2	-13	12	12.0858	1.0161	3
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2	-13	-13	3.05826	1.04454	1
-2	-13	13	5.38435	1.01893	1
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2	-13	-14	0.94002	1.26378	1
-2	-13	14	1.25838	2.28406	1
2	-13	-15	3.16506	2.03183	1
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-2	-14	-14	2.59342	1.08519	1
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-2	-14	-13	9.93373	1.47813	1
2	-14	13	8.75293	1.16202	1
2	-14	12	1.37997	0.90081	1
-2	-14	-12	1.80329	1.88422	1
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2	-14	11	21.8941	1.4713	3
2	-14	11	22.8899	1.5384	1
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2	-14	10	1.05376	0.68651	3
-2	-14	-10	1.29238	0.84397	1
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2	-14	9	1.88018	3.03732	3
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-2	-14	-6	0.93419	0.77467	1
-2	14	-6	0.18615	0.51672	2
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2	-14	5	63.0688	3.0322	1
-2	-14	-5	62.6157	3.0279	1
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-2	-14	-5	64.9098	3.5171	2
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2	14	5	64.1816	3.4582	3
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-2	-14	-4	1.23841	0.73738	1
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2	-14	4	0.55707	0.65768	1
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-2	-14	-2	0.30359	0.90625	1
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2	-14	1	15.1572	2.2863	3
-2	-14	-1	12.5752	1.2018	2
2	-14	1	11.8681	1.2538	2
-2	-14	-1	13.8501	1.2467	3
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-2	14	-1	13.3563	1.2864	3
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-2	-14	1	13.5748	1.0603	1
-2	-14	1	11.9569	1.0946	2
-2	-14	1	12.9659	1.2073	3
2	-14	-1	12.0131	1.0734	2
2	14	-1	12.0641	1.2448	3
-2	14	1	14.6868	1.3903	3
2	14	-1	11.4789	0.9154	2
-2	14	1	12.1038	0.8954	2
2	-14	-2	0.50574	0.72166	2
2	-14	-2	-0.4359	0.7423	1
-2	-14	2	0.40616	0.82381	3
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-2	-14	2	0.37169	0.66978	1
-2	-14	2	1.20341	0.70213	2
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-2	-14	3	30.4375	1.6115	1
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-2	-14	4	1.54003	0.77318	3
-2	-14	4	1.71090	0.66406	2
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-2	-14	8	7.60568	0.93245	1
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2	14	-8	9.62471	0.81313	2
-2	-14	9	2.27462	0.87765	3
-2	-14	9	3.13294	1.30146	1
2	-14	-9	1.36054	0.86266	1
-2	14	9	2.35099	0.93610	3
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-2	-14	10	2.28117	0.75508	3
-2	-14	10	1.19516	0.83084	1
-2	14	10	2.47055	0.94097	3
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-2	-14	11	22.4909	1.5772	1
-2	-14	11	22.1127	1.6673	3
-2	14	11	24.3123	1.7058	3
-2	-14	12	0.16611	0.88863	1
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-2	-14	14	0.06627	1.85809	1
-2	-15	-14	2.41749	1.08721	1
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-2	-15	-13	14.9278	1.4516	1
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-2	-15	4	37.8226	2.1878	3
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-2	-15	10	0.77508	0.86581	1
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-2	-15	10	2.58484	1.43741	3
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-2	-16	-13	28.4589	1.8965	1
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2	16	2	6.53771	0.57011	2
-2	-16	-1	16.6498	1.2413	1
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2	-16	1	14.9957	1.3671	3
-2	-16	-1	14.3684	1.5385	2
2	-16	1	19.1047	1.3733	1
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2	16	1	15.9201	1.0369	2
-2	16	-1	17.2620	1.1217	2
-2	-16	0	14.2772	1.2280	2
2	-16	0	13.9149	2.2927	3
2	-16	0	12.7150	1.0872	1
2	-16	0	14.3322	1.7238	2
-2	-16	0	12.2579	1.3664	1
-2	16	0	9.84949	0.94676	2
2	16	0	11.2501	0.9118	2
-2	16	0	12.7608	1.3780	3
2	16	0	14.4478	1.3684	3
-2	-16	1	14.8067	1.2379	1
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2	-16	-1	14.3491	1.4614	3
2	-16	-1	19.9587	1.4817	1
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2	16	-1	15.7056	1.0711	2
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-2	-16	2	5.23296	0.91568	2
-2	-16	2	7.95981	1.44448	3
-2	-16	2	7.04204	0.87494	1
2	-16	-2	6.49508	1.85820	1
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2	16	-2	5.83097	1.60336	3
2	16	-2	6.24870	1.54138	2
-2	16	2	7.78593	2.11725	3
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-2	-16	3	16.3354	1.4214	2
2	-16	-3	19.5361	1.5957	2
2	-16	-3	18.7223	1.4618	1
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-2	-16	3	19.4369	1.3437	1
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2	16	-3	22.4437	2.5804	2
-2	16	3	19.3017	1.1466	2
-2	-16	4	70.1087	3.3502	1
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-2	-16	4	69.3410	3.4802	2
2	-16	-4	69.6057	4.3949	1
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-2	-16	5	1.56666	0.45766	2
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-2	-16	6	29.8422	1.8001	1
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-2	-16	7	6.08952	0.95253	1
-2	-16	7	6.48334	1.04773	3
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-2	16	7	6.57350	1.13750	3
-2	-16	8	90.9778	4.5368	1
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-2	-16	10	0.72409	0.90410	1
-2	-16	10	1.55906	1.67769	3
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-2	16	10	2.93711	1.04971	3
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-2	-16	11	7.46503	1.12253	1
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-2	-16	13	35.4384	3.8199	1
2	-16	-13	28.9171	1.9735	1
-2	-17	-12	6.48755	1.77474	1
2	-17	12	7.53906	1.13639	1
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-2	-17	-11	10.6706	1.2299	1
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-2	-17	-10	0.34441	1.53948	1
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-2	-17	-9	17.3467	1.4831	1
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-2	-17	-5	1.58419	0.87970	1
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2	-17	5	2.50720	1.15784	3
-2	-17	-5	2.75336	0.97052	2
-2	-17	-5	3.01708	0.99458	2
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-2	-17	-4	13.2465	2.1059	2
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-2	-17	-3	21.9836	1.4912	1
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2	-17	2	60.7915	3.0807	2
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2	-17	0	3.71353	0.86900	1
-2	-17	0	2.69780	0.82488	1
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2	17	0	2.67975	1.23744	3
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2	-17	-1	6.22739	1.46533	1
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-2	-17	2	60.8851	3.1500	2
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-2	-18	-6	1.12969	1.23406	2
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-2	-18	-6	-0.3203	0.9991	1
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-2	-18	-4	1.17273	1.02111	1
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-2	-18	-3	7.85037	1.15013	2
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2	18	3	5.85284	1.81527	3
2	-18	2	19.0415	1.6733	3
-2	-18	-2	16.7275	1.6983	2
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2	-19	7	10.7717	1.1803	3
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2	19	5	0.50318	1.08499	3
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-2	-19	-4	35.2524	2.0158	1
2	-19	4	33.4740	1.9851	1
-2	-19	-4	36.1497	2.2992	2
2	19	4	33.3111	2.3164	3
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2	-19	3	4.07456	1.18111	3

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2	-19	3	3.07551	0.92923	1
-2	-19	-3	4.97807	0.96343	1
-2	-19	-3	3.71406	1.03601	2
2	19	3	4.44509	1.26051	3
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2	-19	2	89.9781	4.2546	2
2	-19	2	79.1082	4.5422	3
-2	-19	-2	90.5753	4.4256	2
2	-19	2	82.4951	4.0480	1
-2	-19	-2	83.6959	4.0415	1
2	19	2	83.0293	4.6668	3
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2	19	2	87.7805	4.0613	2
-2	-19	-1	4.26121	1.03141	2
2	-19	1	3.14748	0.86625	2
-2	-19	-1	4.35929	1.12494	1
2	-19	1	2.86298	0.91882	1
-2	19	-1	4.42214	0.66528	2
2	19	1	2.90229	1.19547	3
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2	-19	0	88.7523	4.2142	2
-2	-19	0	82.9197	4.2578	2
-2	-19	0	79.8822	3.8887	1
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2	19	0	81.3606	4.4856	3
2	-19	-1	3.66484	1.02060	2
-2	-19	1	3.44981	0.89812	1
2	-19	-1	3.86999	0.94850	1
-2	-19	1	4.98934	0.97188	2
-2	19	1	4.20562	0.60397	2
2	19	-1	3.66999	0.65576	2
-2	-19	2	84.8392	4.2686	2
2	-19	-2	86.0475	4.1356	1
2	-19	-2	91.9901	4.3544	2
-2	-19	2	80.5890	3.9849	1
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2	19	-2	82.3899	4.1178	2
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-2	-19	3	3.86838	0.90889	1
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-2	-19	3	5.04317	0.86591	2
-2	19	3	4.09398	0.52259	2
2	19	-3	4.73410	0.72985	2
-2	19	3	5.29915	1.22687	3
2	-19	-4	36.5310	2.2955	2
2	-19	-4	33.3400	2.0538	1
-2	-19	4	33.8454	2.1660	3
-2	-19	4	34.6325	1.9847	1
-2	-19	4	34.2946	1.9854	2

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-2	-19	5	0.14646	1.13466	1
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2	19	-5	-0.6141	1.6747	2
-2	19	5	0.28125	1.05392	3
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-2	-19	6	6.94132	1.03613	1
2	-19	-6	5.83846	1.21626	1
-2	-19	6	6.91709	1.18846	3
2	19	-6	4.35097	0.77831	2
-2	19	6	5.48186	1.19697	3
-2	-19	7	9.53533	1.38509	3
2	-19	-7	9.46191	1.30055	1
2	-19	-7	9.83648	1.27203	2
-2	-19	7	10.2964	1.2159	1
-2	19	7	12.0609	1.4633	3
2	19	-7	9.49779	0.98546	2
-2	-19	8	54.8654	8.7780	3
-2	-19	8	48.6428	2.6705	1
2	-19	-8	51.6748	2.7186	1
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-2	-20	-9	1.58602	1.11513	1
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-2	-20	-7	52.7936	2.7856	1
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-2	20	-7	51.3617	4.2816	2
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-2	-20	-6	11.7673	1.3314	1
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2	20	6	13.2825	1.7085	3
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-2	-20	-5	2.60573	1.30798	1
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-2	20	-3	83.4652	3.9339	2
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-2	-20	-2	4.35421	1.12355	2
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-2	-20	-1	85.3467	4.1138	2
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2	-20	1	76.2865	3.7866	1
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2	20	1	76.8851	4.3125	3
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2	-20	0	11.6222	1.2415	1
-2	-20	0	11.6340	1.2481	2
-2	20	0	10.9277	0.9233	2
2	20	0	8.60524	0.91017	2
2	-20	-1	76.0431	3.8477	1
-2	-20	1	77.5688	3.8058	1
-2	-20	1	82.8150	4.1164	2
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-2	20	2	7.76040	1.39883	3
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2	-20	-3	74.6283	4.9725	1
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-2	-20	3	75.6132	3.7058	1
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-2	-20	5	4.07236	1.05422	3
2	-20	-5	4.45448	1.14752	2
2	-20	-5	4.42648	1.11092	1
-2	-20	5	3.65708	1.65900	1
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-2	-20	6	13.1932	1.9977	3
2	-20	-6	11.4430	1.3881	1
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-2	-20	7	52.3859	3.1368	3
-2	-20	7	50.3528	2.7944	1
2	20	-7	51.4214	2.8343	2
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2	20	-8	16.8454	1.4163	2
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-2	-21	-8	-0.2618	1.1528	2
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-2	-21	-7	9.83454	1.27294	1
-2	21	-7	8.47854	0.98177	2
-2	-21	-6	1.39731	1.13112	2
-2	-21	-6	1.23559	1.94557	1
2	-21	6	1.42089	2.69637	1
-2	21	-6	0.27855	1.73663	2
-2	-21	-5	1.10982	1.11642	2
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2	21	5	0.74694	1.85761	3
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-2	-21	-4	8.99335	1.30473	2
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2	-21	4	7.87708	1.49915	3

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-2	-21	0	2.77542	1.00782	1
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-2	-21	1	3.31785	0.98671	1
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2	21	-1	3.20114	0.66576	2
-2	-21	2	3.39219	0.99273	1
2	-21	-2	3.20581	1.09680	2
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2	21	-2	4.86974	0.76310	2
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2	-21	-3	6.79885	2.34820	2
2	-21	-3	4.29743	1.52310	1
-2	-21	3	3.16580	1.00996	1
-2	-21	3	4.70125	0.93013	2
-2	21	3	3.48855	1.33203	3
2	21	-3	3.62430	0.75609	2
-2	-21	4	8.28374	0.87959	2
2	-21	-4	10.0359	1.3249	2
-2	-21	4	8.25412	1.12383	1
2	-21	-4	6.88109	1.67258	1
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2	21	-4	6.93522	0.88481	2
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2	-21	-5	3.01414	1.12780	2
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-2	-21	6	1.61077	2.09391	3
-2	-21	6	1.89024	0.97278	1
2	-21	-6	1.58627	1.14402	2
2	21	-6	1.30000	0.73820	2
2	-21	-7	8.79869	1.34245	2
-2	-21	7	9.69691	1.21547	1
2	-21	-7	9.18557	1.32561	1
2	21	-7	8.94444	1.43351	2
2	-21	-8	2.33094	1.21019	1
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2	-21	-8	0.11692	1.14162	2
2	21	-8	1.14182	0.77438	2
-2	-22	-7	7.45539	2.15808	1
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-2	-22	-6	2.85928	1.19799	2
-2	-22	-6	3.39141	1.14231	1
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-2	-22	-5	6.97549	1.21007	1
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-2	-22	-4	1.57700	1.08068	1
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-2	-22	-3	6.67931	1.28569	2
-2	-22	-3	5.82206	1.14467	1
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-2	-22	-2	1.59237	1.09924	1
-2	-22	-2	1.58436	1.08339	2
2	-22	2	1.87464	1.02515	1
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-2	-22	-1	1.40684	1.05854	2
2	-22	1	1.77708	0.92272	2
2	-22	1	1.28746	1.01692	1
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2	-22	-1	1.21256	1.03788	2
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2	22	-1	2.45761	0.66625	2
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2	22	-2	1.88414	0.71892	2
-2	-22	3	7.01806	0.95994	2
2	-22	-3	5.92609	1.20975	2
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2	22	-3	5.75886	0.85127	2
-2	-22	4	0.91213	1.43211	1
2	-22	-4	1.84063	1.73206	2
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2	-22	-5	7.02569	1.87752	2
2	22	-5	5.99588	0.88315	2
2	-22	-6	3.34797	1.22548	2
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2	-23	0	0.53403	1.07416	1
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2	-23	-1	7.39394	1.22898	1
2	-23	-1	8.63777	1.19432	2
-2	-23	1	6.78450	1.12624	2
2	23	-1	7.10741	0.80525	2
-2	23	1	5.53090	0.74057	2
2	-23	-2	2.44050	1.54829	1
2	-23	-2	1.97678	1.08853	2
-2	-23	2	0.52075	1.01226	1
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2	23	-2	0.73493	0.68932	2
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3	0	18	66.7060	3.3160	1
3	0	17	0.43578	0.91256	1
3	0	16	53.1216	2.7138	1
3	0	15	0.90765	0.81728	1
3	0	14	390.055	16.916	1
3	0	13	0.20923	0.68906	1
3	0	12	101.514	4.940	1
3	0	11	0.50937	1.08195	1
3	0	10	1396.45	59.92	1
3	0	9	-0.1447	0.4457	1
3	0	8	8.41616	0.68942	1
3	0	7	-0.4075	0.6417	1
3	0	6	318.585	14.240	1
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-3	0	-2	148.679	7.107	3
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-3	0	1	-0.3057	0.3348	3
3	0	-1	-0.1623	0.4652	3
-3	0	1	-0.2528	0.4440	3
-3	0	2	135.897	6.675	3
3	0	-2	134.825	6.561	3
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-3	0	2	137.695	6.549	3
-3	0	3	-0.4896	0.2772	3
-3	0	3	-0.6105	0.1689	3
3	0	-3	-0.2389	0.2649	3
-3	0	4	12.5849	0.8063	3
-3	0	4	10.9548	0.9108	1
-3	0	4	13.6503	1.0587	3
3	0	-4	12.3077	0.7679	3
-3	0	5	-0.6689	0.5874	1
-3	0	5	-0.6235	0.3347	3
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-3	0	5	-0.1204	0.2857	3
-3	0	6	304.126	14.861	3
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-3	0	6	309.492	13.395	1
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-3	0	8	12.3924	1.6014	1
-3	0	9	-0.6486	0.4900	1
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-3	0	10	1395.20	59.58	1
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-3	0	14	392.036	17.026	1
-3	0	15	0.44724	0.84507	1
-3	0	16	50.9173	2.6462	1
-3	0	17	0.01788	0.95400	1
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-3	-3	11	2.32738	0.64823	1
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-3	-13	-15	3.04211	1.08545	1
3	-13	15	5.39913	1.96528	1
-3	-13	-14	10.0283	1.2260	1
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-3	-13	-13	7.88151	1.11627	1
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-3	-13	-10	18.4468	1.8774	1
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-3	-13	-9	4.19175	0.85329	1
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-3	-13	-7	4.52866	1.66586	1
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-3	-13	-4	9.93875	0.93016	1
-3	-13	-4	10.3539	1.0823	2
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-3	-13	-3	13.3941	1.6529	2
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-3	-13	-2	25.4590	1.7330	3

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-3	-15	-1	4.27499	0.95727	2
3	-15	1	3.71595	0.77177	1
-3	-15	-1	5.32459	0.76812	1
-3	-15	-1	3.92907	0.91660	2
3	-15	1	4.15753	0.84271	3
3	15	1	4.37736	0.48157	2
3	15	1	3.77040	1.10926	3
-3	15	-1	4.54443	1.97231	3
-3	15	-1	3.44509	0.57679	2
3	-15	0	41.7368	2.4063	3
3	-15	0	42.1715	2.3300	1
-3	-15	0	41.2336	2.8541	1
-3	-15	0	41.3326	2.3741	2
3	-15	0	42.2846	2.3385	2
-3	-15	0	41.0757	2.9516	3
-3	-15	0	42.1533	2.9543	2
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3	15	0	41.4312	2.4875	3
-3	15	0	43.1527	2.1597	2
3	15	0	42.5897	2.1131	2
3	-15	-1	3.74545	0.97201	2
3	-15	-1	4.15660	0.81551	1
-3	-15	1	3.91756	0.83901	2
3	-15	-1	3.87579	0.85658	3
-3	-15	1	3.99875	0.74484	1
-3	-15	1	4.53113	0.99955	3
-3	15	1	4.09762	0.57617	2
-3	15	1	5.23144	1.79823	3
3	15	-1	4.38172	0.97720	3
3	15	-1	4.24029	0.55044	2
3	-15	-2	12.1983	1.2109	1
-3	-15	2	14.4222	1.4355	2
-3	-15	2	12.7408	1.1124	1
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-3	-15	2	12.2188	1.3371	3
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3	15	-2	13.3036	0.9933	2

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-3	-15	3	24.3151	1.6700	2
3	-15	-3	26.4554	1.7711	2
3	-15	-3	24.1995	1.6002	1
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-3	-15	3	25.3385	1.5113	1
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3	15	-3	24.0291	1.4569	2
-3	15	3	26.3266	1.7752	3
-3	-15	4	4.85867	0.88230	3
3	-15	-4	4.06024	0.87731	1
-3	-15	4	3.71278	0.66965	2
-3	-15	4	4.45264	0.77720	1
3	-15	-4	3.92110	0.84665	2
-3	15	4	5.61741	1.01745	3
-3	15	4	3.23424	0.42791	2
3	15	-4	2.82415	0.61685	2
-3	-15	5	24.0658	3.0819	1
3	-15	-5	26.9489	1.8900	2
3	-15	-5	25.5566	1.6394	1
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-3	-15	5	27.4352	1.7257	3
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3	15	-5	25.1874	1.5238	2
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3	-15	-6	13.6513	1.3105	1
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3	15	-6	15.3254	1.1461	2
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3	-15	-7	1.65696	1.03283	1
-3	-15	7	2.29359	1.27649	1
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-3	15	7	1.44759	1.04992	3
-3	-15	8	0.90989	1.30379	3
3	-15	-8	0.70460	1.29965	1
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-3	-15	8	0.93939	0.79675	1
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-3	15	8	-0.4682	1.3194	3
-3	-15	9	8.21525	1.88626	1
-3	-15	9	10.0675	2.5184	3
3	-15	-9	10.6348	1.5374	1
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3	15	-9	10.8869	1.1188	2
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-3	-15	10	3.44016	0.90986	1
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-3	15	10	3.53630	1.00415	3
-3	-15	11	21.2835	1.5810	1
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-3	-15	11	22.1759	1.6286	3

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3	-15	-13	2.70807	1.11518	1
-3	-15	13	4.29104	1.06523	1
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3	-15	-14	9.24042	1.82656	1
-3	-16	-13	6.86869	1.44885	1
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-3	-16	-12	16.1871	1.5847	1
3	-16	12	15.3336	1.3778	1
-3	-16	-11	12.1880	2.7877	1
3	-16	11	13.6629	1.2958	1
-3	-16	-10	127.111	6.016	1
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3	-16	10	124.769	5.896	1
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3	-16	9	11.1791	1.1569	3
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-3	-16	-6	21.7603	1.7504	2
3	-16	6	24.2521	2.7194	1
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-3	-16	-5	15.2465	1.4849	2
3	-16	5	16.3805	2.0920	3
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3	16	5	14.6293	1.4276	3
-3	16	-5	12.8031	1.1152	2
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-3	-16	-4	8.41542	0.99182	1
-3	-16	-4	8.59245	1.13149	2
3	-16	4	8.66629	1.38826	3
-3	16	-4	9.51260	0.92488	2
3	16	4	11.1323	1.2964	3
3	-16	3	1.10175	0.48485	2
3	-16	3	0.98461	0.74566	1
-3	-16	-3	1.61519	1.29851	1
3	-16	3	1.83943	0.84798	3
-3	-16	-3	0.03844	0.89475	2
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-3	-16	-2	3.37039	0.88792	1
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3	-16	2	3.24408	0.79208	1
-3	-16	-2	3.06057	0.97376	2
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-3	16	-2	2.76862	0.60166	2
-3	-16	-1	58.2338	3.6761	2
3	-16	1	58.9498	3.7320	1
-3	-16	-1	58.3336	3.1353	2
-3	-16	-1	57.6053	2.8230	1
3	-16	1	57.2810	3.0158	2
3	-16	1	59.3757	4.2393	3
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3	16	1	58.5976	3.2570	3
3	16	1	57.7969	2.8223	2
-3	-16	0	1.97830	0.89903	2
-3	-16	0	2.41705	0.74831	1
3	-16	0	0.15263	0.75577	2
3	-16	0	1.95249	0.87331	3
3	-16	0	1.13606	0.77231	1
3	16	0	1.68577	0.49414	2
-3	16	0	0.94615	0.98051	3
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-3	16	0	1.62354	0.53725	2
-3	-16	1	60.8866	3.1820	2
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3	-16	-1	58.5725	3.8748	1
-3	-16	1	57.8016	4.2243	3
3	16	-1	57.6968	3.2889	3
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3	16	-1	60.3421	2.9180	2
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-3	-16	2	2.15528	0.90434	3
-3	-16	2	2.46861	0.81402	2
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-3	-16	3	1.84284	0.73188	1
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-3	-16	3	1.53754	0.71041	2
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-3	-16	6	25.5330	3.1588	3
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3	-16	-11	12.1625	2.2530	1
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3	-16	-12	15.5032	1.4639	1
3	-16	-13	6.10225	1.21913	1
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-3	-17	-9	25.0117	1.7514	1
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3	-17	8	1.47727	0.90230	1
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-3	-17	-6	8.90108	1.18423	2
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-3	-17	-5	22.4795	1.7497	2
-3	-17	-5	24.0646	1.5379	1
3	-17	5	20.8992	1.5084	1
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-3	-17	-4	46.6697	2.6019	2
-3	-17	-4	43.5290	2.5935	2
-3	-17	-4	43.8356	2.3092	1
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-3	-17	-3	5.71377	0.91290	1
-3	-17	-3	6.61964	1.07187	2
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-3	-17	-3	6.80439	1.11463	2
-3	17	-3	5.73823	0.71062	2
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3	-17	2	1.32099	0.63929	2
-3	-17	-2	2.58059	1.82989	2
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3	-17	2	2.12012	0.82500	1
-3	-17	-2	2.98110	1.48361	1
3	17	2	2.89784	1.07029	3
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-3	-17	-1	8.00653	1.15578	2
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3	-17	1	9.29136	0.96925	2

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3	-17	0	147.672	7.063	2
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3	-17	0	137.063	6.267	1
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3	17	-1	10.0314	1.3142	3
-3	-17	2	0.80887	0.88575	3
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3	17	-2	2.89560	0.58122	2
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-3	-17	3	7.48377	0.90310	2
-3	-17	3	7.03649	1.05305	3
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3	-17	-5	24.6498	1.8483	2
3	-17	-5	21.9134	1.6046	1
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3	17	-6	8.43458	0.87865	2
3	-17	-7	9.28980	1.14746	2
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3	17	-8	1.65161	0.70858	2
3	-17	-9	26.9350	2.3080	1
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-3	-17	10	0.55619	0.94298	1
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-3	-17	12	4.98577	1.39135	1
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-3	-18	-11	14.7234	1.4139	1
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3	-18	10	3.99358	1.83243	1
-3	-18	-10	5.03126	1.09164	1
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3	-18	8	0.62331	0.96362	1
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3	18	8	2.18788	1.06235	3
3	-18	7	11.1684	1.2484	3
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3	18	7	15.9129	2.8364	3
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-3	-18	-6	6.08000	1.11809	2
3	-18	6	7.51733	1.04643	3
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3	18	6	8.86902	2.53991	3
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-3	-18	-5	15.0376	1.3897	1
3	-18	5	16.2460	1.3838	1
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3	18	5	19.1772	1.8301	3
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-3	-18	-4	4.85113	1.07172	2
3	-18	4	5.36105	0.98035	3
-3	-18	-4	5.24434	1.14678	2
-3	-18	-4	5.92768	1.24774	1
3	18	4	6.10139	1.17242	3
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3	-18	3	14.1801	1.4539	3
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-3	-18	-3	14.5309	1.5312	2
3	-18	3	13.7921	1.2824	1
3	-18	3	16.5549	1.6458	2
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3	18	3	16.8937	1.5634	3
-3	18	-3	13.0958	1.1522	2
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3	-18	2	1.33914	0.93804	3
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-3	-18	-1	0.69407	0.92772	2
-3	-18	-1	0.22823	0.80639	1
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3	18	1	0.40679	0.64331	2
-3	-18	0	3.34605	0.96469	2
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3	-18	0	2.74932	0.87094	2
-3	-18	0	3.11641	0.83314	1
3	18	0	3.17108	0.55333	2
3	18	0	3.65159	1.13674	3
-3	18	0	3.91689	0.63849	2
-3	-18	1	1.72807	0.80364	1
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-3	-18	1	0.30841	0.84936	2
-3	18	1	1.42780	0.56428	2
-3	18	1	1.95684	1.10684	3
3	18	-1	1.18820	0.55154	2
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3	-18	-2	1.13518	1.37129	2
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-3	-18	2	1.28362	0.81128	2
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-3	-18	3	13.1713	1.3926	3
3	-18	-3	16.9982	1.7186	1
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-3	-18	4	5.36630	1.01223	3
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-3	-18	5	15.5898	1.3973	3
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-3	-18	6	6.65755	1.00389	1
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-3	-18	7	12.2413	1.3398	3
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-3	-18	7	13.4841	1.2476	1
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-3	18	7	14.3529	1.5116	3
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-3	18	8	4.16104	1.15307	3
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-3	-19	-7	2.61323	1.01565	1
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-3	-19	-7	2.30617	1.63168	2
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-3	-19	-6	28.1220	2.8525	2
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-3	-19	-6	27.6885	2.0518	2
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-3	-19	-2	56.0039	3.0604	2
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3	19	1	1.18737	0.46906	2
-3	19	-1	1.61491	0.61308	2
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3	-19	0	120.907	5.775	2

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-3	20	-9	25.8206	1.7335	2
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-3	20	-3	61.4502	3.1051	2
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-3	-20	-2	1.26927	1.00648	2
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-3	-20	-1	120.608	5.624	2
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-3	-20	1	120.957	5.628	2
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-3	-21	-7	3.65292	1.20730	2
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-3	21	-1	4.80984	0.76864	2
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3	21	-1	5.68335	0.72438	2
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3	21	-4	3.57815	0.77660	2
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-3	22	-6	1.32358	0.77455	2
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-3	-23	-2	4.30368	1.17979	2
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-3	23	-2	3.90045	0.80269	2
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4	0	17	-0.2697	0.9061	1
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-4	0	11	-1.3248	0.6061	1
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-4	-5	-3	2.68444	0.38872	3
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-4	-5	-2	5.10426	0.51123	3
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4	5	2	3.06471	0.57614	3
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4	-5	1	2.78023	0.41404	3
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-4	-5	1	1.39867	0.37685	3
4	-5	-1	0.77640	0.32439	2
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-4	5	1	0.83336	0.89680	3
4	5	-1	1.27304	0.46057	3
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-4	7	4	8.02180	1.30630	3

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4	-7	-5	44.9810	2.3186	2
-4	-7	5	45.6259	2.3341	3
4	-7	-5	40.6619	2.6440	1
4	-7	-5	40.9862	2.5684	3
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4	-7	-6	30.8527	1.5128	3
4	-7	-6	27.3954	1.4540	1
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-4	-7	6	26.6932	1.3480	1
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-4	7	6	24.9012	1.5582	3
4	7	-6	20.7872	1.3749	2
4	7	-6	26.7692	1.9260	3
4	-7	-7	40.4593	3.6689	1
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4	-7	-8	4.31567	0.76494	1
-4	-7	8	4.64587	0.74477	1
-4	7	8	5.67018	1.09069	3
-4	-7	9	14.7236	1.0489	1
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4	-7	-9	14.9362	1.2266	1
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-4	-7	10	32.1864	2.6410	1
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-4	-7	11	12.3357	1.0595	1
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-4	-7	12	23.2318	1.4986	1
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4	-7	-13	8.15569	1.80226	1
-4	-7	13	7.33780	0.77143	3
-4	-7	13	9.00477	1.80332	1
-4	-7	14	13.5152	1.2469	1
4	-7	-14	11.8085	1.9610	1
4	-7	-15	13.6601	2.0606	1
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4	-7	-16	1.87210	1.33784	1
-4	-7	17	2.94456	1.01056	1
4	-7	-17	3.93228	1.25343	1
-4	-8	-17	0.58703	1.13087	1
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-4	-8	-14	5.57623	1.08704	1
-4	-8	-13	3.07273	0.96112	1
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-4	-8	-12	2.80631	0.91590	1
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-4	-8	-11	23.9607	1.5611	1
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-4	-8	-10	260.970	11.246	1
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4	-8	8	58.2422	3.2345	3
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4	-8	6	1590.01	77.32	3
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-4	-8	-3	15.0005	1.2407	1
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4	-8	2	621.141	30.623	3
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4	-8	2	635.175	30.447	3
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-4	8	-2	670.571	30.494	3
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-4	-8	0	10.3854	1.5036	3
4	-8	0	8.42070	0.75687	2
-4	-8	0	10.9469	0.8554	2
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-4	8	1	8.19205	1.42486	3
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-4	-8	4	23.6943	1.5618	1
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-4	-8	5	34.7397	1.8588	2
-4	-8	5	35.5343	2.1859	3
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4	-8	-7	1.58216	0.65694	1
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-4	-8	14	6.61953	2.52976	1
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-4	-9	-12	12.1062	2.7043	1
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4	9	8	54.5378	2.8420	3
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-4	-12	-5	721.400	31.151	1
4	-12	5	729.454	31.175	1
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-4	12	-5	720.527	33.325	2
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4	-12	4	3.66214	0.66403	1
-4	-12	-4	3.44408	0.80555	2
-4	12	-4	2.10780	0.50223	2
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-4	-12	-3	22.1294	1.5380	2
4	-12	3	17.9488	1.0682	2
4	-12	3	20.2996	1.2572	1
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4	-12	3	19.8106	2.0886	3
4	12	3	20.5185	1.5488	3
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-4	12	-3	24.3359	2.1865	2
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-4	12	-2	4.39587	0.89813	3
-4	12	-2	3.25292	0.51032	2
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-4	-12	-1	104.537	5.944	3
4	-12	1	102.055	5.328	3
-4	-12	-1	108.257	5.225	2
4	-12	1	123.208	5.112	2
-4	-12	-1	105.952	4.764	1
4	12	1	102.953	5.408	3
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-4	12	-1	107.992	5.388	3
-4	12	-1	107.981	5.059	2
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-4	-12	0	17.0933	1.4133	2
4	-12	0	18.6962	1.1837	1
-4	-12	0	19.4266	1.3030	3
4	12	0	21.1648	2.2117	3
-4	12	0	17.7583	1.1070	2
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-4	-12	1	112.273	4.803	1
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4	-12	-1	99.9789	5.1752	2
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-4	12	13	0.90422	0.79724	3
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-4	-13	-13	26.6156	1.7585	1
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-4	-13	-1	11.7930	1.1927	2
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-4	-14	2	37.1445	2.2156	2

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4	14	-2	37.5262	2.2223	2
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4	-14	-3	23.5670	1.6987	2
-4	-14	3	24.3895	1.6544	2
-4	-14	3	24.0260	1.4412	1
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4	14	-3	21.1743	1.6376	3
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4	14	-3	21.4104	1.3484	2
-4	-14	4	12.5697	1.1739	3
4	-14	-4	14.5919	1.1631	2
4	-14	-4	12.9224	1.1335	1
-4	-14	4	13.1891	1.2223	2
-4	-14	4	14.0850	1.9339	1
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-4	14	4	12.3655	0.9542	2
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-4	-14	5	14.5555	1.1909	1
-4	-14	5	16.9815	2.1920	3
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4	14	-5	15.5119	1.1525	2
-4	-14	6	28.0754	1.8242	3
-4	-14	6	27.7096	1.6585	1
4	-14	-6	32.4549	1.9784	2
4	-14	-6	31.2327	2.0541	1
4	14	-6	31.3272	1.6885	2
-4	14	6	27.7063	1.9004	3
4	-14	-7	0.59030	1.91574	1
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-4	-14	7	0.67885	0.79550	3
4	-14	-7	0.60277	0.75104	2
-4	14	7	1.23853	0.89158	3
4	14	-7	1.04289	0.55548	2
4	-14	-8	10.2833	1.4969	1
-4	-14	8	8.68463	1.04549	3
4	-14	-8	9.02946	1.03248	2
-4	-14	8	10.3938	1.0179	1
4	14	-8	9.49632	0.86255	2
-4	14	8	10.0225	1.1779	3
4	-14	-9	-0.0157	0.8669	1
-4	-14	9	0.62850	0.78262	1
-4	-14	9	0.15539	1.42102	3
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-4	14	9	0.68918	0.86105	3
-4	-14	10	1.92104	0.76054	3
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-4	-14	11	9.85689	1.15797	1
4	-14	-11	11.4622	1.5078	1
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4	-14	-14	12.6612	1.4172	1
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4	-15	14	4.86773	1.12304	1
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-4	-15	-13	9.88634	1.19081	1
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-4	-15	-12	10.7350	1.1773	1
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4	15	11	23.3361	2.3669	3
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4	-15	10	4.60685	1.10027	3
-4	-15	-10	3.64790	1.74752	1
4	15	10	5.20527	0.85866	3
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4	-15	9	9.08365	1.02335	1
-4	-15	-9	8.05720	1.65130	1
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-4	-15	-8	1.04707	1.07746	1
4	15	8	2.00595	1.71060	3
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4	15	7	25.5978	1.7461	3
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4	-15	6	6.73479	2.01898	1
4	15	6	6.74034	1.38152	3
-4	15	-6	7.66287	0.74465	2
4	-15	5	36.2927	2.0144	1
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-4	-15	-5	41.5179	2.8321	2
-4	-15	-5	37.9286	2.1489	1
4	15	5	40.2233	3.4135	3
-4	15	-5	37.7690	2.0049	2
-4	-15	-4	6.28064	0.84645	1
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4	-15	4	5.99805	0.85745	1
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-4	-15	-3	34.6503	2.1309	1
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-4	-15	-2	16.7292	1.5383	2
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4	-15	0	8.46521	0.97078	3
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-4	-15	0	6.94544	0.81799	1
-4	-15	0	6.55781	1.01222	2
-4	15	0	6.66652	1.07795	3
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-4	-15	1	73.3489	3.3293	1
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4	-15	-1	72.8690	3.7493	3
4	-15	-1	72.3090	3.6323	2
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4	-15	-2	14.8658	1.4336	2
4	-15	-2	16.9443	1.3305	1
-4	-15	2	17.9068	1.2134	1
4	-15	-2	15.9521	1.3466	3
-4	-15	2	16.5071	1.3385	3
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-4	-15	3	33.6313	1.8979	1
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-4	15	3	34.2183	2.1639	3
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-4	-15	10	4.17513	0.91235	1
-4	-15	10	3.19632	1.27372	3
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-4	-15	11	18.7526	1.9998	1
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-4	-15	13	9.49200	1.19579	1
-4	-15	14	5.23652	2.38569	1
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-4	-16	-8	1.97234	0.88907	1
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-4	-16	-3	14.7672	1.4705	2
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4	-16	3	13.4433	1.0075	2
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4	-16	0	2.39947	1.36602	3
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-4	-16	0	1.98065	0.90618	2
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4	-16	-5	18.9372	1.6826	2
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4	-17	7	10.6534	1.1244	3
4	-17	7	9.77581	1.06907	1
-4	-17	-7	8.59940	1.07857	1
-4	17	-7	8.72506	0.88971	2
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-4	-17	-6	0.59663	0.94992	2
-4	-17	-6	1.08709	1.45065	1
4	-17	6	0.75424	0.90134	3
4	17	6	-0.2956	0.9895	3
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4	-17	5	19.0726	1.4585	3
-4	-17	-5	18.6595	1.4418	1
4	-17	5	19.9334	1.4330	1
-4	-17	-5	17.8633	1.6744	2
4	17	5	19.6707	2.1125	3
-4	17	-5	21.3136	1.9699	2
-4	-17	-4	30.3680	2.0767	1
4	-17	4	30.5108	2.1234	3
4	-17	4	28.8775	1.7772	1
-4	-17	-4	32.9352	2.0913	2
-4	17	-4	32.0655	2.1924	2
4	17	4	31.3810	3.4177	3
-4	-17	-3	14.9890	1.5355	2
4	-17	3	14.5858	1.0356	2
4	-17	3	13.6777	1.2449	1
-4	-17	-3	12.6459	1.9397	1
4	-17	3	13.4053	1.3209	3
-4	17	-3	15.4826	1.1335	2
4	17	3	15.4281	2.4997	3
-4	-17	-2	1.41574	0.99534	2
-4	-17	-2	3.45800	0.81158	1
4	-17	2	2.45065	0.82610	1
-4	-17	-2	3.02662	0.99344	2
4	-17	2	2.31234	0.62518	2
4	-17	2	3.34636	0.92985	3
-4	17	-2	2.21839	0.60717	2
4	17	2	2.10652	0.38231	2
4	17	2	2.79875	2.10882	3
-4	-17	-1	24.0044	1.5544	1
4	-17	1	25.8542	1.7102	2
4	-17	1	24.9750	1.8448	1
-4	-17	-1	28.5803	1.9392	2
-4	-17	-1	25.5010	1.8493	2
4	-17	1	26.6170	2.7278	3
-4	17	-1	26.3767	1.5142	2
4	17	1	27.0229	2.9703	3
4	17	1	26.1139	1.4003	2
4	-17	0	-0.1853	0.8696	3
4	-17	0	0.84071	0.82847	1

-4	-17	0	0.37291	0.92705	2
4	-17	0	0.08872	0.74350	2
-4	-17	0	-0.0177	0.7329	1
4	17	0	0.94961	1.99157	3
4	17	0	0.23239	0.46291	2
-4	17	0	0.23988	0.55306	2
-4	-17	1	26.7488	1.5737	1
4	-17	-1	24.6883	2.1494	2
4	-17	-1	27.6228	1.6629	1
-4	-17	1	26.0236	1.8790	2
4	17	-1	24.5495	2.8734	3
-4	17	1	24.2757	1.9106	3
4	17	-1	25.6010	1.4493	2
-4	17	1	26.2774	1.5092	2
-4	-17	2	2.83107	0.80733	1
4	-17	-2	4.30962	0.91731	1
-4	-17	2	1.15061	0.95021	3
4	-17	-2	1.33735	0.87665	2
-4	-17	2	1.81935	0.86550	2
-4	17	2	2.82866	0.55611	2
4	17	-2	1.58236	0.55731	2
-4	17	2	2.90794	1.36021	3
4	-17	-3	15.4853	1.4880	2
-4	-17	3	17.0423	1.3754	3
-4	-17	3	15.2130	1.2802	1
4	-17	-3	10.4351	1.2108	1
-4	-17	3	15.6382	1.4622	2
-4	17	3	14.9297	2.1465	3
-4	17	3	14.5327	0.9976	2
4	17	-3	13.7231	1.0957	2
-4	-17	4	32.5908	2.3507	1
-4	-17	4	30.8100	2.0069	3
-4	-17	4	30.2965	1.9280	2
4	-17	-4	31.4441	1.9322	1
4	-17	-4	34.8334	2.0834	2
4	17	-4	33.4121	1.9695	2
-4	17	4	31.1955	1.6498	2
-4	17	4	30.9560	3.2044	3
-4	-17	5	22.4003	2.0587	3
-4	-17	5	19.6503	1.3797	2
4	-17	-5	22.7328	1.7740	2
4	-17	-5	20.6501	1.6262	1
-4	-17	5	19.4441	1.6510	1
4	17	-5	20.2771	1.4070	2
-4	17	5	23.4445	2.0733	3
-4	-17	6	-0.2338	0.9325	3
4	-17	-6	0.06192	0.93332	1
4	-17	-6	1.42508	0.90867	2
-4	-17	6	1.01549	1.42354	1
4	17	-6	1.24235	0.65817	2
-4	17	6	1.07230	1.18965	3
4	-17	-7	9.14033	1.13145	2
4	-17	-7	10.3480	1.2093	1
-4	-17	7	9.21098	1.98810	1

-4	-17	7	11.0576	5.2542	3
4	17	-7	8.68156	0.90056	2
-4	17	7	12.4833	2.3612	3
-4	-17	8	33.0208	1.9666	1
4	-17	-8	34.3515	2.0490	1
-4	-17	8	33.3305	2.0900	3
4	-17	-8	38.8034	2.3280	2
-4	17	8	33.7566	2.2273	3
4	17	-8	34.0810	1.9910	2
4	-17	-9	7.77474	1.91703	1
4	-17	-9	8.66918	1.19069	2
-4	-17	9	7.75055	1.85024	1
-4	-17	9	8.41221	3.64953	3
4	17	-9	7.65575	0.91912	2
-4	17	9	7.01839	1.65999	3
-4	-17	10	1.52661	0.96325	1
4	-17	-10	1.53867	1.05938	1
4	17	-10	1.84558	1.23028	2
4	-17	-11	7.70885	1.61452	1
-4	-17	11	7.08566	1.15741	1
-4	-17	12	1.61397	0.98106	1
4	-17	-12	1.01830	1.57666	1
4	-18	11	2.99662	1.30255	1
-4	-18	-11	2.29412	1.06242	1
-4	-18	-10	26.9322	1.8004	1
4	-18	10	25.4365	2.4596	1
4	-18	9	16.2037	1.4157	1
-4	-18	-9	16.5243	1.4501	1
4	-18	8	8.16584	1.87523	1
4	-18	8	9.03352	1.10580	3
-4	-18	-8	7.28732	1.13429	1
4	18	8	9.70689	2.42962	3
4	-18	7	0.67692	0.87280	3
4	-18	7	0.81558	0.85211	1
-4	-18	-7	0.34351	1.79097	1
-4	18	-7	0.16810	0.63200	2
4	18	7	0.22234	1.11535	3
-4	-18	-6	15.5584	1.6439	2
4	-18	6	15.7538	1.3845	3
4	-18	6	17.1862	2.9670	1
-4	-18	-6	16.0890	1.3896	1
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4	18	6	18.1377	1.5837	3
4	-18	5	8.33864	1.04027	1
-4	-18	-5	7.20518	1.03549	1
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-4	-18	-5	9.56605	1.21283	2
4	18	5	7.93358	1.24841	3
-4	18	-5	7.76889	0.84168	2
4	-18	4	5.21136	0.93032	1
4	-18	4	4.83114	1.20235	3
-4	-18	-4	6.10728	0.95128	1
-4	-18	-4	3.89389	1.02608	2
-4	18	-4	4.49751	0.71474	2

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4	-18	3	-0.2635	0.4315	2
-4	-18	-3	-0.9881	0.9361	2
4	-18	3	0.48778	0.87421	3
4	-18	3	0.39538	0.77544	1
-4	-18	-3	-1.2484	0.9178	2
4	18	3	-0.0764	1.9222	3
-4	18	-3	1.07224	0.60233	2
-4	-18	-2	20.9382	1.8034	2
4	-18	2	16.7986	1.3220	2
4	-18	2	14.5570	1.4335	3
4	-18	2	16.8359	1.3731	1
-4	-18	-2	17.5286	1.3437	1
-4	-18	-2	18.5656	1.5676	2
-4	18	-2	16.8748	1.2142	2
4	18	2	21.7351	2.7893	3
4	-18	1	1.36220	0.94280	3
4	-18	1	0.60738	0.73847	2
-4	-18	-1	0.69621	0.98371	2
-4	-18	-1	2.21142	1.02618	1
4	-18	1	1.45889	0.86150	1
4	18	1	1.37448	0.71538	2
4	18	1	1.92066	2.05577	3
-4	18	-1	1.33392	0.60068	2
-4	-18	0	3.97021	0.83275	1
4	-18	0	2.86195	0.84418	2
-4	-18	0	3.27167	0.94908	2
4	-18	0	4.54602	0.88294	1
4	18	0	4.53110	1.80499	3
-4	18	0	4.12784	0.64825	2
4	-18	-1	2.40771	1.23226	1
-4	-18	1	2.58156	0.93215	2
4	-18	-1	1.35139	0.84902	2
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4	18	-1	1.94048	1.06713	3
4	18	-1	1.17716	0.54800	2
-4	-18	2	17.9519	1.5678	2
4	-18	-2	21.2397	1.8037	1
4	-18	-2	15.9650	1.5771	2
-4	-18	2	15.8644	1.2756	1
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-4	18	2	19.4660	1.7264	3
-4	18	2	16.5436	1.1371	2
-4	-18	3	0.64856	0.81542	1
-4	-18	3	0.27325	0.76389	2
4	-18	-3	1.70310	0.91208	2
4	-18	-3	0.50938	1.01262	1
-4	-18	3	1.31282	0.92531	3
-4	18	3	0.27967	1.36303	3
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-4	-18	4	4.78373	1.72186	1
-4	18	4	5.30412	0.54198	2
4	18	-4	5.26937	1.90085	2
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4	-18	-5	6.22969	1.15434	2
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4	-18	-5	7.58459	1.23320	1
-4	-18	5	8.50687	1.19659	2
-4	18	5	6.66270	1.28095	3
4	18	-5	7.89797	0.85871	2
4	-18	-6	17.2323	1.7218	2
-4	-18	6	17.6116	1.6316	3
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-4	18	6	16.0078	1.5907	3
4	-18	-7	1.42937	1.02318	1
-4	-18	7	-0.2522	1.4797	1
-4	-18	7	0.13954	6.02734	3
4	-18	-7	0.76289	0.96415	2
-4	18	7	0.64518	1.85243	3
4	18	-7	0.97918	0.67330	2
-4	-18	8	9.53095	1.34177	3
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-4	-18	8	8.06807	1.14593	1
4	-18	-8	10.0619	1.2447	2
4	18	-8	7.63032	0.95315	2
-4	18	8	8.53811	1.33411	3
4	-18	-9	15.4922	1.5172	1
-4	-18	9	16.9946	1.5437	1
4	-18	-9	18.9636	1.5565	2
4	18	-9	14.4339	1.4204	2
4	-18	-10	27.1546	1.8428	1
-4	-18	10	24.2868	1.7383	1
4	18	-10	26.2509	1.7427	2
-4	-18	11	1.12185	1.01423	1
4	-18	-11	2.44569	1.66751	1
4	18	-11	1.06355	0.86979	2
-4	-19	-10	22.5884	1.6479	1
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-4	-19	-9	8.06895	1.19097	1
4	-19	9	8.32099	1.21712	1
-4	-19	-8	2.26422	2.03585	1
4	-19	8	2.16782	1.72828	1
-4	19	-8	1.75351	0.73133	2
4	-19	7	6.73332	1.07616	1
4	-19	7	6.49103	1.08308	3
-4	-19	-7	6.93907	1.10313	1
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-4	-19	-6	4.18830	0.98874	1
-4	-19	-6	4.77790	1.12549	2
4	-19	6	4.40118	0.96961	3
-4	-19	-6	3.53592	1.11323	2
-4	19	-6	2.38034	0.70201	2
4	19	6	2.77209	1.11325	3
-4	-19	-5	3.49298	1.07845	2
-4	-19	-5	5.43263	1.31952	1
4	-19	5	3.47958	0.96657	1
-4	-19	-5	3.06578	1.07800	2
4	-19	5	3.75193	1.20934	3
-4	19	-5	2.46119	1.28327	2
4	19	5	3.62795	1.18240	3
-4	-19	-4	34.1287	3.0160	1
-4	-19	-4	35.3720	2.2624	2
-4	-19	-4	36.3654	2.2920	2
4	-19	4	32.2288	1.9761	1
4	-19	4	30.9163	2.7015	3
-4	19	-4	35.0716	1.9507	2
4	19	4	37.1379	2.3025	3
-4	-19	-3	2.40728	1.44200	2
4	-19	3	1.77125	1.71924	3
-4	-19	-3	2.04713	0.87356	1
-4	-19	-3	1.43761	1.01898	2
4	-19	3	0.66596	0.83875	1
-4	19	-3	1.31432	0.65738	2
4	19	3	0.51630	1.15453	3
4	-19	2	8.77812	1.09684	1
-4	-19	-2	9.21937	1.03869	1
-4	-19	-2	9.61229	1.23202	2
4	-19	2	8.08737	0.89373	2
4	-19	2	9.09730	1.20689	3
-4	19	-2	7.82727	0.87229	2
4	19	2	9.68493	1.52643	3
4	-19	1	7.47214	1.19218	3
-4	-19	-1	6.88570	0.98299	1
4	-19	1	7.44626	0.94459	2
-4	-19	-1	8.49171	1.16500	2
4	-19	1	8.01498	1.07731	1
4	19	1	6.03776	1.35796	3
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-4	19	-1	7.11023	0.79935	2
-4	-19	0	10.3346	1.0421	1
4	-19	0	7.58312	1.07431	1
-4	-19	0	7.04707	1.12717	2
4	-19	0	8.00679	1.04570	2
4	19	0	9.30745	1.31798	3
-4	19	0	8.16035	0.83639	2
4	19	0	10.2726	0.8591	2
-4	-19	1	7.31214	1.08095	2
4	-19	-1	9.03140	1.07993	2
-4	-19	1	9.65442	1.01900	1
4	-19	-1	8.18266	1.11660	1

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4	19	-1	7.72816	0.75874	2
4	-19	-2	9.63241	1.36154	2
4	-19	-2	10.7809	1.1800	1
-4	-19	2	9.86621	1.12769	2
-4	-19	2	7.79974	1.00548	1
4	19	-2	8.64380	0.90983	2
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4	-19	-3	1.17263	0.95480	1
-4	-19	3	0.97044	0.84207	2
4	-19	-3	1.68010	0.95444	2
-4	-19	3	0.76442	0.84058	1
-4	19	3	1.20719	2.05372	3
-4	19	3	0.99930	0.49762	2
4	19	-3	1.53847	0.61623	2
4	-19	-4	34.7657	2.1358	1
4	-19	-4	38.7399	2.3388	2
-4	-19	4	36.3283	2.7588	2
-4	-19	4	35.3946	2.6937	1
-4	-19	4	34.4065	2.2547	3
4	19	-4	36.2671	1.9752	2
-4	19	4	33.8621	3.0002	3
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4	-19	-5	3.72297	1.10416	1
-4	-19	5	4.61114	0.68485	2
-4	-19	5	2.88726	0.95308	1
-4	-19	5	4.26027	1.90137	3
4	19	-5	3.22313	0.92037	2
-4	19	5	7.79447	1.69182	3
4	-19	-6	3.32790	1.95686	2
-4	-19	6	3.63297	1.73832	1
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4	-19	-6	4.99881	1.99079	1
-4	19	6	6.27821	1.23441	3
4	19	-6	3.58878	0.77428	2
4	-19	-7	6.25059	1.18813	1
-4	-19	7	4.95546	1.65586	1
4	-19	-7	7.42421	1.19454	2
-4	-19	7	7.75173	7.73589	3
4	19	-7	7.17531	0.90863	2
-4	19	7	6.44801	1.28813	3
-4	-19	8	1.93796	0.97864	1
4	-19	-8	2.26969	1.12972	1
-4	-19	8	3.55675	1.48771	3
4	-19	-8	1.22238	1.09172	2
4	19	-8	1.25320	0.78110	2
-4	-19	9	6.43272	1.15289	1
4	-19	-9	8.19683	1.25231	1
4	-19	-9	10.7292	1.3584	2
4	19	-9	8.60272	0.99475	2
4	-19	-10	24.4858	2.1824	2
4	-19	-10	22.4353	1.7811	1
-4	-19	10	20.0283	1.6537	1
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-4	-20	-8	12.4930	1.3466	1
4	-20	8	12.1889	1.9061	1
-4	20	-8	11.5293	2.2239	2
-4	-20	-7	0.79665	1.13848	2
-4	-20	-7	2.37059	1.01865	1
-4	-20	-7	2.27667	1.61739	2
4	-20	7	1.49054	0.97468	1
-4	20	-7	1.72188	0.72428	2
-4	-20	-6	0.57414	1.53042	1
-4	-20	-6	0.38450	2.01262	2
4	-20	6	0.37388	0.95554	3
-4	-20	-6	-0.4412	1.0614	2
4	-20	6	1.53573	1.46684	1
-4	20	-6	0.52069	1.51149	2
-4	-20	-5	74.4268	3.9672	2
4	-20	5	63.0599	3.3789	1
4	-20	5	62.0394	4.8399	3
-4	-20	-5	67.3271	3.5284	1
-4	-20	-5	71.9566	3.7186	2
-4	20	-5	66.6618	3.4571	2
4	20	5	75.5865	3.8805	3
-4	-20	-4	1.61791	1.09322	2
4	-20	4	1.31783	0.95502	1
-4	-20	-4	1.93534	1.22098	1
4	-20	4	0.96772	0.93539	3
-4	20	-4	1.74805	0.70323	2
4	20	4	1.42993	1.12826	3
-4	-20	-3	2.38642	0.96110	1
4	-20	3	6.11687	1.65841	3
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4	-20	3	1.95309	0.95480	1
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4	-20	2	11.5350	1.8909	2
4	-20	2	14.3413	1.4395	3
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4	-20	2	11.4436	1.2528	1
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4	20	2	11.8782	1.4631	3
-4	-20	-1	47.9603	2.6368	1
-4	-20	-1	56.6234	2.9996	2
4	-20	1	54.1200	2.7407	1
4	-20	1	53.7513	2.8019	2
4	20	1	52.6250	3.0922	3
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-4	-20	0	3.09709	1.04065	2
4	-20	0	2.49260	1.23699	1
-4	-20	0	2.18548	0.91400	1
4	-20	0	2.81170	0.93333	2
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-4	-20	1	55.4513	2.9392	2
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4	20	-1	51.4872	2.6240	2
-4	-20	2	12.7936	1.2384	2
4	-20	-2	11.9588	2.2431	1
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-4	20	2	10.8083	1.0019	2
4	20	-2	9.65180	1.00497	2
-4	-20	3	2.44770	0.94359	1
4	-20	-3	3.32625	1.88881	2
4	-20	-3	2.96258	2.11425	1
-4	-20	3	2.43380	0.87197	2
-4	20	3	2.04631	0.60640	2
4	20	-3	2.83941	0.70645	2
-4	20	3	2.95704	1.25352	3
4	-20	-4	2.40956	1.88590	1
-4	-20	4	0.81571	1.67281	1
4	-20	-4	0.47020	1.03065	2
-4	-20	4	0.99867	0.76223	2
-4	20	4	1.86845	1.18166	3
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-4	-20	6	0.42034	0.98308	3
-4	-20	6	0.71045	1.61138	1
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-4	-20	7	2.81967	7.39161	3
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4	-20	-7	2.86173	2.17773	1
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4	-20	-8	11.7495	1.4328	1
4	-20	-8	12.8887	2.8712	2
-4	-20	8	13.4124	1.3381	1
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4	-21	8	16.8659	1.7042	1
-4	-21	-8	18.8199	1.5937	1
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-4	-21	-7	3.73632	1.20628	2
-4	-21	-7	5.24092	1.32201	1
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4	-21	6	1.84323	1.46575	1
-4	-21	-6	1.27979	1.12333	2
-4	-21	-6	2.31437	1.05413	1
-4	21	-6	1.59779	0.77644	2
-4	-21	-5	28.7684	2.0251	2
-4	-21	-5	28.2987	2.0310	1
4	-21	5	26.8731	1.8177	1
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-4	-21	-4	26.2884	1.7440	1
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-4	-21	-4	24.1622	2.0995	2
4	-21	4	24.3360	1.7173	1
4	21	4	23.2034	1.9832	3
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-4	-21	-3	1.22058	1.12621	2
4	-21	3	2.77995	1.40558	3
4	-21	3	1.02659	1.01450	1
-4	-21	-3	1.93237	0.97780	1
-4	21	-3	1.95552	0.74960	2
4	21	3	1.58218	1.17123	3
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-4	-21	-2	-0.1507	1.0383	2
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4	-21	1	17.5168	1.5218	2
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-4	-21	0	16.9849	1.4886	1
4	-21	0	22.1240	1.6790	2
4	-21	0	17.2299	1.5851	1
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4	21	0	19.6611	1.4836	2
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4	-21	-1	17.1663	1.5222	1
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-4	-21	1	15.7416	1.6236	2
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-4	-21	3	1.60376	1.77093	2
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-4	-21	4	24.9050	2.1142	2
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4	21	-8	17.8736	1.4547	2
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-4	-22	-5	6.00794	1.30095	2
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-4	-22	-3	8.49423	1.97611	1
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5	0	8	17.1290	1.0012	1
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5	0	6	3307.83	142.15	1
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-5	-4	5	315.465	14.053	3
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-5	-4	5	292.919	12.613	1
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-5	-4	5	294.279	14.200	3
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-5	-4	6	0.53874	0.62623	3
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-5	4	6	0.66698	0.79416	3
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-5	4	8	0.28523	1.05588	3
-5	-4	9	500.553	21.933	1
-5	-4	9	525.323	24.348	3

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-5	-4	11	130.710	6.774	1
-5	-4	11	140.123	6.615	3
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5	-7	5	3.17431	0.64246	1
-5	-7	-5	4.84910	0.80844	1
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-5	-7	-5	5.44363	0.55770	3

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-5	7	-5	4.69882	0.61126	3
-5	-7	-4	15.1461	0.9814	3
-5	-7	-4	13.8642	0.8717	1
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5	-7	4	14.4108	1.3507	3
-5	7	-4	15.2654	1.4656	3
5	7	4	13.2522	0.9819	3
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5	-7	3	128.929	6.333	3
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-5	7	-2	47.9369	2.6058	3
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-5	-11	5	0.61115	2.59123	3
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-5	11	6	6.32937	1.17306	3
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5	-16	-2	849.565	36.482	1
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-5	-16	2	869.109	39.080	2
5	-16	-2	866.950	39.062	2
-5	16	2	846.418	40.670	3
5	16	-2	813.526	40.670	3
5	16	-2	874.407	38.969	2
-5	16	2	859.140	38.966	2
-5	-16	3	17.3895	1.3848	3
-5	-16	3	15.6223	1.5046	2
5	-16	-3	18.1268	1.5620	2
5	-16	-3	16.9082	1.3810	1
-5	-16	3	14.5511	1.2925	1
-5	16	3	16.2773	1.4951	3
5	16	-3	20.8232	1.8828	2
-5	16	3	15.1627	1.0896	2
-5	-16	4	1.65531	0.72703	2
5	-16	-4	2.84849	0.90733	2
-5	-16	4	1.77081	0.84712	3
5	-16	-4	0.17440	1.52015	1
-5	-16	4	1.95822	1.54314	1
-5	16	4	2.24356	0.45788	2
-5	16	4	0.10253	0.92754	3
-5	-16	5	6.38926	0.77210	2
-5	-16	5	6.01369	1.94713	3
-5	-16	5	5.84512	0.89574	1
5	-16	-5	8.73954	2.19987	2
5	-16	-5	4.52323	1.02585	1
5	16	-5	7.92016	0.79381	2
-5	16	5	5.23266	1.08821	3
-5	-16	6	334.234	16.602	3
5	-16	-6	348.297	16.072	2
5	-16	-6	341.463	14.938	1
-5	-16	6	338.485	14.902	1
-5	16	6	339.046	16.663	3
5	16	-6	354.006	15.893	2
5	-16	-7	69.5709	3.5741	2
-5	-16	7	66.1121	3.7208	3
-5	-16	7	64.9159	3.2385	1
5	-16	-7	68.8511	3.3104	1
5	16	-7	70.4952	3.3798	2
-5	16	7	63.9135	3.6458	3
-5	-16	8	0.82458	0.88626	3
5	-16	-8	1.94201	0.92113	2
5	-16	-8	0.79601	1.48728	1
-5	-16	8	1.83424	0.84201	1
5	16	-8	1.30783	0.67353	2
-5	16	8	2.98149	0.99261	3
5	-16	-9	12.6933	1.2850	2
5	-16	-9	9.61416	2.36506	1
-5	-16	9	10.7240	1.1734	1
-5	-16	9	10.8058	1.6969	3
5	16	-9	10.5306	1.3055	2
-5	16	9	9.82276	1.81597	3
-5	-16	10	25.7095	2.4880	3
-5	-16	10	25.5102	1.7033	1

5	-16	-10	26.9404	2.6309	1
-5	16	10	25.6505	2.4491	3
5	16	-10	27.9116	1.7552	2
5	-16	-11	8.17216	2.40255	1
-5	-16	11	10.4756	2.3866	1
5	-16	-12	7.74337	1.28189	1
-5	-16	12	8.29574	1.93682	1
-5	-16	13	4.62339	1.10421	1
5	-16	-13	5.28663	1.20752	1
5	-17	12	28.6126	1.8611	1
-5	-17	-12	31.9302	2.3096	1
-5	-17	-11	9.49846	1.18523	1
5	-17	11	8.42463	1.30509	1
5	-17	10	1.36230	1.54652	1
-5	-17	-10	-0.7577	0.9461	1
5	-17	9	4.37466	1.78762	3
5	-17	9	3.46265	0.99331	1
-5	-17	-9	3.88643	0.98578	1
5	17	9	4.58518	0.96407	3
5	-17	8	26.8213	3.1859	1
5	-17	8	30.2829	1.8892	3
-5	-17	-8	31.7974	1.8314	1
5	17	8	30.5679	2.7617	3
5	-17	7	0.70581	0.81640	3
-5	-17	-7	-0.5147	0.8547	1
5	-17	7	0.59502	0.81044	1
5	17	7	0.71803	0.96236	3
-5	17	-7	0.39634	0.63707	2
5	-17	6	1.65541	1.23170	3
5	-17	6	2.71937	1.32663	1
-5	-17	-6	2.31188	0.85823	1
5	17	6	1.59668	2.08705	3
-5	17	-6	1.15190	0.75582	2
-5	-17	-5	-0.3987	1.2074	2
5	-17	5	1.08703	1.53116	3
-5	-17	-5	0.44845	0.81154	1
5	-17	5	-0.0716	0.8146	1
-5	17	-5	0.68994	0.58477	2
5	17	5	0.32570	1.34772	3
-5	-17	-4	2.91794	1.07628	2
5	-17	4	4.28154	0.99649	3
5	-17	4	2.91559	0.82658	1
-5	-17	-4	2.93356	0.83110	1
-5	17	-4	3.47389	0.71456	2
5	17	4	3.20609	1.04078	3
5	-17	3	8.75161	1.09801	3
-5	-17	-3	10.4259	0.9794	1
5	-17	3	8.28243	1.00147	1
-5	-17	-3	6.46030	1.10936	2
5	17	3	9.77391	1.21779	3
-5	17	-3	8.33940	0.82232	2
5	-17	2	4.37142	0.89405	1
-5	-17	-2	6.03667	1.06015	2
5	-17	2	4.59347	1.08209	3

5	-17	2	4.31665	1.23852	2
-5	-17	-2	6.62590	0.86996	1
5	17	2	4.18111	1.07620	3
-5	17	-2	4.62935	0.68316	2
-5	-17	-1	7.63743	1.12237	2
5	-17	1	9.22127	1.09768	3
5	-17	1	7.62502	0.85359	2
5	-17	1	8.17321	1.59174	1
-5	-17	-1	8.10982	1.01936	1
5	17	1	7.78238	0.72026	2
5	17	1	8.92804	1.20015	3
-5	17	-1	7.93880	0.78657	2
5	-17	0	14.4450	1.3176	1
-5	-17	0	14.7115	1.3688	2
-5	-17	0	14.2677	1.2082	1
5	-17	0	13.8298	1.3797	2
5	-17	0	14.6544	2.4307	3
-5	-17	0	15.1706	1.4876	2
5	17	0	14.0664	1.4316	3
-5	17	0	15.7636	1.0991	2
5	17	0	15.6432	1.0113	2
5	-17	-1	7.86489	0.99430	2
-5	-17	1	7.56934	1.12003	2
-5	-17	1	7.81939	0.90532	1
5	-17	-1	7.55537	1.03647	1
5	17	-1	8.55954	1.22448	3
-5	17	1	6.71068	0.74490	2
5	17	-1	8.83996	0.81893	2
5	-17	-2	4.89681	0.95717	1
-5	-17	2	4.90476	0.96204	2
5	-17	-2	5.14124	0.93511	2
-5	-17	2	5.01769	0.83052	1
-5	17	2	5.06039	1.14106	3
-5	17	2	4.08607	0.61908	2
5	17	-2	3.69575	0.65814	2
-5	-17	3	8.27056	1.03693	2
-5	-17	3	8.82529	0.99711	1
5	-17	-3	8.96365	1.28955	2
-5	-17	3	12.1970	1.2378	3
5	-17	-3	9.43554	1.10690	1
5	17	-3	10.3379	0.9504	2
-5	17	3	9.98511	1.27050	3
-5	17	3	9.81101	0.88748	2
-5	-17	4	3.26214	0.93517	3
-5	-17	4	2.97764	0.78047	2
5	-17	-4	2.57549	1.01542	1
-5	-17	4	3.63934	1.73717	1
5	-17	-4	3.63050	0.94939	2
-5	17	4	5.06390	1.08003	3
5	17	-4	2.82348	0.64660	2
-5	17	4	2.96600	0.48729	2
5	-17	-5	-0.5413	0.8924	2
5	-17	-5	-0.6874	0.9375	1
-5	-17	5	1.80704	1.84286	3

-5	-17	5	0.83461	0.63629	2
-5	-17	5	0.59191	0.78667	1
5	17	-5	-0.3793	0.6274	2
-5	17	5	0.52437	0.99141	3
-5	-17	6	1.19320	0.84598	1
-5	-17	6	1.90590	0.91456	3
5	-17	-6	2.09526	0.97092	1
5	-17	-6	2.38388	1.91445	2
5	17	-6	0.83217	0.64700	2
-5	17	6	1.86605	1.01945	3
5	-17	-7	2.71944	1.01029	1
-5	-17	7	0.25849	0.89779	3
-5	-17	7	0.76450	0.83795	1
5	-17	-7	2.40092	1.70537	2
5	17	-7	0.16976	0.67774	2
-5	17	7	0.20258	1.13556	3
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-5	-17	8	29.0604	1.9173	3
5	-17	-8	33.2408	2.6203	2
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-5	17	8	29.8796	3.0331	3
5	17	-8	28.5731	1.8135	2
-5	-17	9	3.13038	0.97432	1
5	-17	-9	4.29337	1.91603	1
5	-17	-9	3.51310	1.22659	2
-5	-17	9	3.64599	3.93861	3
-5	17	9	4.23063	2.01225	3
5	17	-9	4.65191	0.82438	2
5	-17	-10	0.01255	1.02050	1
-5	-17	10	-0.6347	0.8862	1
5	17	-10	0.88361	1.45351	2
-5	-17	11	8.42604	1.28584	1
5	-17	-11	9.10495	1.65263	1
5	17	-11	7.70389	0.98801	2
5	-17	-12	30.3473	2.7289	1
-5	-17	12	28.2724	1.8657	1
-5	-18	-11	1.74567	1.05278	1
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5	-18	10	3.69089	1.15411	1
-5	-18	-10	3.54986	1.03900	1
5	-18	9	2.54376	1.27276	1
-5	-18	-9	3.02465	1.02151	1
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5	-18	8	11.1616	1.1994	3
5	18	8	12.4736	1.8397	3
5	-18	7	0.16534	0.84389	1
5	-18	7	1.13381	0.86914	3
-5	-18	-7	0.38394	0.90457	1
-5	18	-7	1.15703	1.63387	2
5	18	7	2.02224	1.01983	3
-5	-18	-6	0.47839	0.98602	2
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5	-18	6	1.32360	1.45833	1

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5	18	6	4.12671	2.13304	3
-5	-18	-5	7.74307	1.28670	1
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-5	-18	-4	8.21547	1.59673	1
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-5	-18	-2	1.63652	1.01116	2
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-5	-18	-1	0.98870	0.97432	2
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-5	-18	0	18.6939	1.5584	2
5	-18	0	16.8936	1.3737	1
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-5	-18	1	1.99926	0.91219	2
5	18	-1	1.98314	1.14205	3
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5	18	-1	1.48225	0.54017	2

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-5	-18	2	4.04642	0.91188	2
-5	18	2	5.94039	2.09442	3
5	18	-2	3.08895	0.61461	2
5	-18	-3	0.97069	1.01700	2
-5	-18	3	0.84606	0.82335	2
5	-18	-3	1.32086	0.92632	1
-5	-18	3	0.45926	0.79946	1
-5	18	3	0.37028	0.50459	2
-5	18	3	1.78016	1.99357	3
5	18	-3	0.49828	0.56132	2
-5	-18	4	8.44743	1.11923	3
5	-18	-4	8.05550	1.11876	2
-5	-18	4	6.00432	0.91629	2
5	-18	-4	6.86305	1.15767	1
-5	-18	4	6.20914	1.64065	1
5	18	-4	5.96820	1.75836	2
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-5	18	4	8.28991	0.76939	2
5	-18	-5	6.75161	1.39738	1
-5	-18	5	7.76576	2.30400	3
-5	-18	5	6.55035	0.96302	1
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-5	-18	6	1.38423	0.94401	1
-5	-18	6	1.00828	0.93492	3
-5	18	6	4.42416	1.37774	3
5	18	-6	1.34823	0.70758	2
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-5	-19	-8	12.7197	1.2765	1
-5	19	-8	10.0769	2.2562	2
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-5	-19	-7	3.82182	1.03273	1
-5	19	-7	3.80185	1.13910	2
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-5	-19	-6	7.93078	1.20831	2
-5	19	-6	5.86162	0.81491	2
5	19	6	7.59752	1.53156	3
-5	-19	-5	0.72176	1.01844	2
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-5	-19	-4	3.62027	1.10579	2
-5	-19	-4	4.18871	0.93608	1
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-5	-19	-3	16.6114	1.3802	1
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5	-19	1	2.66187	0.77632	2
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-5	-19	-1	3.38175	1.07409	2
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-5	-19	0	2.68064	0.84785	1
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-5	19	0	3.36817	0.68643	2
5	19	0	3.21043	0.53064	2
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-5	-19	1	3.13605	0.85221	1
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-5	-19	1	3.29659	0.97647	2
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-5	19	1	2.21658	0.63180	2
-5	-19	2	6.65548	1.03905	2
5	-19	-2	5.88233	1.22241	1
-5	-19	2	5.27647	0.91236	1
5	-19	-2	6.58337	1.03708	2
-5	19	2	5.35587	0.69387	2
5	19	-2	7.16550	0.73635	2
-5	-19	3	16.4402	1.5359	2
-5	-19	3	16.6242	1.3423	1
5	-19	-3	18.2635	1.6082	2
5	-19	-3	16.3479	1.4847	1
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5	19	-3	16.0457	1.1832	2
-5	19	3	15.8394	1.1194	2
-5	-19	4	4.19401	0.82561	2
5	-19	-4	2.28995	1.02920	1
-5	-19	4	3.15117	1.21283	1
5	-19	-4	2.67361	1.81422	2
-5	19	4	4.15830	2.20984	3
5	19	-4	3.70726	0.71791	2
-5	19	4	3.53679	0.52664	2
-5	-19	5	1.47668	0.69320	2
5	-19	-5	0.15027	1.00186	2
5	-19	-5	0.03909	1.02072	1
-5	-19	5	1.47221	2.01615	3
-5	-19	5	1.05211	0.87112	1
5	19	-5	1.09646	1.31819	2
-5	19	5	0.48987	1.62986	3
5	-19	-6	5.52973	2.06321	1
-5	-19	6	5.51344	1.11602	3
5	-19	-6	8.22732	1.23592	2
-5	-19	6	6.54131	1.13752	1
-5	19	6	8.43361	1.34493	3
5	19	-6	5.07023	0.82901	2
-5	-19	7	5.95353	1.12374	3
5	-19	-7	4.35601	1.14580	1
-5	-19	7	4.96918	0.99942	1
5	-19	-7	3.36225	1.12285	2
-5	19	7	4.06522	1.46170	3
5	19	-7	3.00154	0.82359	2

5	-19	-8	12.8170	1.4065	1
-5	-19	8	13.1830	2.1772	1
5	-19	-8	16.0007	1.5064	2
5	19	-8	11.5238	1.1344	2
5	-19	-9	1.32339	1.13398	2
5	-19	-9	1.33064	1.08563	1
-5	-19	9	-0.2136	1.4616	1
5	19	-9	0.32702	0.77157	2
5	-19	-10	0.21477	1.15788	2
5	-19	-10	0.47215	1.12103	1
-5	-19	10	-0.4150	0.9798	1
5	19	-10	0.50136	0.81372	2
5	-20	9	24.2166	2.3221	1
-5	-20	-9	28.9701	1.8613	1
5	-20	8	1.50630	1.99803	1
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-5	20	-8	1.20138	1.18081	2
-5	-20	-7	3.00177	1.03363	1
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-5	-20	-6	-0.6396	1.0371	2
-5	-20	-6	0.92594	0.95244	1
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5	20	5	22.4785	3.3218	3
-5	-20	-4	5.76188	1.19118	2
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-5	-20	-3	8.99402	1.09694	1
-5	-20	-3	10.2491	1.6585	2
-5	-20	-3	7.27724	1.25524	2
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-5	-20	-2	30.4544	1.7723	1
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-5	-20	-2	30.8632	2.0650	2
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-5	20	-2	28.5375	1.7100	2
5	20	2	29.8540	3.1225	3
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-5	-20	-1	1.36414	0.90658	1
-5	-20	-1	0.38901	1.02683	2
5	-20	1	1.19638	0.86315	2
-5	20	-1	0.69343	0.66567	2
5	20	1	1.15380	1.85697	3
-5	-20	0	1.74278	0.88105	1
5	-20	0	1.08676	0.87485	2
5	-20	0	0.39086	1.62411	1
-5	-20	0	0.08242	0.96970	2
-5	20	0	0.50434	0.66514	2
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5	-20	-2	31.2364	2.0748	2
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5	20	-2	28.8844	1.6925	2
-5	-20	3	8.54554	1.10076	2
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-5	-20	3	8.80599	1.07614	1
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5	20	-3	7.71714	0.87396	2
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5	-20	-4	5.70362	2.28770	1
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-5	-20	5	17.0757	1.6363	2
5	-20	-5	23.4285	2.8065	2
-5	-20	5	17.6479	1.4515	1
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-5	20	5	22.3857	3.3962	3
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-5	-20	6	-1.0432	0.9570	1
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-5	20	6	2.77646	1.42569	3
-5	-20	7	3.12796	1.10481	3
-5	-20	7	1.28673	0.97143	1
5	-20	-7	0.71226	1.11696	2
5	-20	-7	2.91510	2.36688	1
5	20	-7	2.29258	0.76554	2
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-5	-20	9	32.2053	3.2427	1
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5	-20	-9	29.4827	2.2710	2
5	20	-9	28.3020	1.9126	2
-5	-21	-8	5.10809	1.16689	1
5	-21	8	6.24729	1.97384	1
-5	21	-8	5.94009	0.90615	2
-5	-21	-7	0.39175	1.32824	1
-5	-21	-7	-0.2841	1.1127	2
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-5	21	-7	0.39021	1.34911	2
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-5	-21	-6	-0.3400	1.9020	2
-5	-21	-6	-1.0575	1.0605	2
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-5	-21	-5	2.55581	1.16502	2
-5	-21	-5	4.15573	1.62524	1
-5	-21	-5	1.55842	1.12580	2
-5	21	-5	0.97294	0.74290	2
-5	-21	-4	1.27378	1.11931	2
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-5	-21	-4	1.43773	0.99646	1
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-5	-21	-3	32.7661	2.1985	2
-5	-21	-3	35.0430	2.2160	1
5	21	3	34.6955	3.8765	3
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-5	-21	-2	-0.5515	1.0583	2
-5	-21	-2	0.30220	0.91576	1
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-5	-21	-1	30.3214	2.0171	2
5	-21	1	24.5308	1.7915	1
5	-21	1	23.8017	2.6020	2
-5	-21	-1	25.5191	1.7038	1
-5	21	-1	25.6971	1.5945	2
5	21	1	23.9835	3.9071	3
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-5	22	1	2.24732	0.68785	2
-5	-22	2	0.53652	0.96105	1
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6	0	13	0.77792	0.68995	1
6	0	12	63.6097	3.3235	1
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6	0	10	93.2622	4.4687	1
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6	0	8	0.99972	0.40676	1
6	0	7	-0.5651	0.3680	1
6	0	6	434.209	19.119	1
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6	0	2	3095.43	145.71	3
6	0	2	3184.84	145.70	3
6	0	1	0.36795	0.45427	3
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6	0	-3	-0.3205	1.8681	3
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-6	0	5	-0.1705	0.6846	3
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6	0	-5	0.05867	0.36758	3
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6	0	-6	423.898	20.745	3
-6	0	7	-0.3524	0.6842	3
-6	0	7	-0.3303	0.6763	3
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6	0	-7	-0.2314	1.8862	3
-6	0	8	1.77583	0.93211	3
-6	0	8	0.90310	0.48564	1
-6	0	8	1.00120	0.72966	3
-6	0	9	-0.2064	0.5184	1
-6	0	9	0.02304	0.91553	3
-6	0	10	90.8171	4.4250	3
-6	0	10	88.1434	4.0569	1
-6	0	11	-0.2252	0.6758	1
-6	0	11	-1.0681	0.8271	3
-6	0	12	62.7532	3.4173	3
-6	0	12	65.0364	3.0606	1
-6	0	13	-0.9963	0.8653	3
-6	0	13	-1.9132	0.7424	1
-6	0	14	14.8695	1.2744	1
-6	0	15	0.02508	0.85444	1
-6	0	16	33.4647	1.9767	1
-6	0	17	-0.6555	0.9544	1
6	-1	17	0.00451	0.90704	1
6	1	17	-0.6531	0.8836	1
6	-1	16	0.73234	0.85197	1
6	1	16	1.70362	0.88157	1
6	-1	15	10.4322	1.0350	1
6	1	15	9.11144	1.03772	1
6	-1	14	5.10389	1.41083	1
6	1	14	5.88699	0.86958	1
6	-1	13	12.5124	1.5728	1
6	1	13	16.7780	1.1925	1
6	-1	12	23.7838	1.6133	1

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6	1	11	19.4103	1.3106	1
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6	1	10	52.7691	2.8632	1
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6	1	9	22.3526	1.5865	1
6	-1	8	2.46708	0.81014	1
6	1	8	0.05291	0.69246	1
6	-1	7	1.21450	0.43037	1
6	1	7	0.95911	0.36680	1
6	-1	6	89.7125	3.3963	1
6	1	6	63.5559	3.4059	1
6	-1	5	1.44568	0.31530	1
6	1	5	-0.4829	0.2726	1
6	-1	1	0.37100	0.58157	3
6	-1	1	0.10817	1.01637	3
-6	-1	-1	-0.0610	0.2874	3
6	1	1	-0.2962	0.2229	3
-6	1	-1	-0.6726	0.3128	3
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-6	-1	0	-0.0388	0.2994	3
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6	1	0	-0.3398	0.2897	3
6	1	0	-0.2357	0.6297	3
-6	1	0	-0.2835	0.3196	3
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6	-1	-1	0.10481	0.32563	3
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-6	1	1	-0.2045	0.4459	3
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6	1	-1	-0.1725	0.3264	3
-6	-1	2	-0.0857	0.4710	3
6	1	-2	0.68090	0.37288	3
-6	1	2	0.95761	0.64509	3
-6	-1	3	-0.4574	0.5804	3
-6	-1	3	-0.0978	0.7158	3
-6	1	3	0.26090	0.35627	3
6	1	-3	-0.2779	0.3549	3
-6	1	3	0.32355	0.61845	1
-6	1	3	0.69183	0.34258	3
-6	1	4	3.92740	1.92584	3
6	1	-4	10.6534	0.7675	3
-6	-1	5	0.30140	0.36989	3
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-6	-1	5	1.26279	0.62083	1
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-6	1	5	0.10984	0.35731	1
-6	1	5	0.28689	0.48981	3
-6	-1	6	71.4443	3.6759	1
-6	1	6	68.2575	3.4826	1
-6	1	6	89.2799	4.0867	3
6	1	-6	84.9256	3.8825	3

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-6	-1	7	1.84983	0.86574	3
-6	1	7	1.39837	0.47099	1
6	1	-7	0.27572	0.42064	3
-6	1	7	1.00857	0.95341	3
-6	1	7	0.85836	0.44545	3
-6	-1	8	0.57018	0.86540	1
-6	-1	8	0.79381	1.20955	3
-6	-1	8	0.85980	0.46572	3
-6	1	8	1.25658	0.51022	1
-6	1	8	2.02184	0.98706	3
-6	1	8	1.24878	0.85119	3
-6	-1	9	18.9802	1.2186	3
-6	-1	9	22.5052	1.2354	1
-6	1	9	20.7200	1.2549	1
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-6	-1	10	49.9177	2.6889	3
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-6	-1	11	25.4439	1.6655	3
-6	-1	11	27.9194	1.5241	1
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-6	-1	12	21.0001	1.5301	3
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-6	1	13	14.2578	1.2386	1
-6	-1	14	5.70016	0.93061	1
-6	1	14	5.57340	0.96278	1
-6	-1	15	9.84560	1.09093	1
-6	1	15	8.41757	1.09309	1
-6	-1	16	2.41750	0.94129	1
-6	1	16	0.30775	0.99303	1
-6	-1	17	-0.9982	0.9401	1
-6	1	17	-0.2773	0.9928	1
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6	-2	15	3.09752	1.10026	1
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6	2	14	23.7915	1.4741	1
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6	-2	12	10.2332	0.9117	1
6	2	12	7.91114	0.88202	1
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6	2	6	3.67091	0.43567	1
6	-2	5	6.69310	0.47843	1
6	2	5	5.86752	0.45196	1
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6	-2	3	1.73602	0.29684	3
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6	2	2	1.05392	0.29008	3
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-6	-2	-1	0.66049	0.30098	3
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6	2	1	0.66160	0.40592	3
6	2	1	1.25962	0.32602	3
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-6	-2	3	2.19401	0.46703	3
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-6	-2	5	5.02674	0.93920	3
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-6	-2	7	3.34265	0.55765	3
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-6	-2	8	18.8963	1.7088	1
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-6	2	9	24.5431	2.4064	3
-6	2	9	17.3528	1.1769	1
-6	-2	10	10.8918	0.9792	1
-6	-2	10	10.3318	0.9683	3
-6	2	10	12.5132	1.0149	1
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-6	-2	12	7.79097	0.96102	3
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-6	2	12	8.22704	1.32077	3
-6	-2	13	1.01299	0.88055	3
-6	-2	13	0.71937	0.75566	1
-6	2	13	1.04428	0.83620	1
-6	2	13	0.00188	0.81832	3
-6	-2	14	21.5225	1.4642	1
-6	2	14	20.4903	1.4974	1
-6	-2	15	2.19297	0.91393	1
-6	2	15	2.21551	1.02204	1
-6	-2	16	4.12855	0.98895	1
-6	2	16	2.51002	2.37509	1
-6	-2	17	0.05755	0.96886	1
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-6	-3	-17	13.9876	1.5530	1
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6	3	9	37.3930	1.7908	1
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6	-3	6	2.37049	0.40735	1
6	3	6	4.13238	0.44601	1
6	3	5	5.17554	0.66133	1
6	-3	4	23.5467	1.3011	1
6	-3	4	27.0685	1.3226	3
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-6	-3	1	0.59206	0.33008	3
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-6	3	4	6.84720	0.63305	3
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-6	3	10	16.2138	1.6176	3
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6	-3	-16	-0.1384	0.9608	1
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6	-3	-17	12.5384	1.3419	1
-6	-3	17	12.3507	1.2783	1
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-6	-4	-17	5.50494	1.14010	1
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6	-4	15	121.616	5.733	1
-6	-4	-15	122.347	5.459	1
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6	-4	14	10.4034	1.0311	1
6	4	14	10.9119	1.1063	1
6	-4	13	39.7349	3.2267	1
6	4	13	48.0164	3.2333	1
6	-4	12	0.60277	0.74311	1
6	4	12	0.53326	1.48806	1
6	-4	11	93.1786	4.2190	1
6	4	11	93.1849	4.3862	1

6	-4	10	0.89853	0.61521	1
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6	-4	9	482.140	20.745	1
6	4	9	480.804	20.851	1
6	-4	8	4.54245	0.77038	1
6	4	8	4.08153	1.15407	1
6	-4	7	15.7517	0.8930	1
-6	-4	-7	12.1363	0.9028	1
6	4	7	12.7403	0.8840	1
6	-4	6	0.38574	0.36610	1
-6	-4	-6	0.72652	0.36066	1
6	-4	5	1449.21	73.27	3
6	-4	5	1546.43	65.82	1
6	-4	5	1563.41	73.26	3
-6	-4	-5	1585.13	65.91	1
-6	-4	-4	1.47420	0.35726	3
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6	-4	3	264.132	12.380	3
-6	-4	-3	253.066	12.377	3
6	-4	3	248.328	12.437	3
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6	4	3	270.921	12.434	3
-6	-4	-2	11.9695	0.7947	3
6	-4	2	12.0135	0.8138	3
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6	-4	1	5.12930	0.70600	1
6	4	1	4.22785	0.91120	3
6	-4	0	19.8826	1.0051	2
6	-4	0	20.1936	1.1135	3
6	-4	0	19.6625	1.1120	3
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6	4	0	19.5095	1.1067	3
6	4	0	19.1439	1.3809	3
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-6	-4	8	3.79955	0.79739	3
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-6	-5	-10	2.66309	0.65437	1
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-6	-6	3	2.14188	0.46520	3
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-6	6	3	1.85143	1.05368	3
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-6	-6	4	2.33030	0.95854	3
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-6	6	6	9.32926	1.36640	3
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-6	-6	7	16.4862	1.1036	3
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-6	6	7	22.4642	1.9802	3
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-6	-11	-15	12.1219	3.0085	1
-6	-11	-14	11.9685	2.6986	1
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-6	-11	-13	7.29682	1.34063	1
6	-11	13	6.26986	0.97771	1
6	-11	12	0.93381	0.78103	1
-6	-11	-12	1.07557	1.46108	1
-6	-11	-11	3.58445	1.32738	1
6	-11	11	2.27949	0.77892	1
-6	-11	-10	49.6288	2.4127	1
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6	-11	10	48.2303	2.4360	1
6	-11	9	8.73712	0.94662	1
-6	-11	-9	10.8594	1.0155	1
6	-11	9	9.70017	0.94934	3
-6	-11	-8	21.2544	1.3308	1
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6	11	8	21.1004	1.6924	3
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-6	-11	-7	5.07553	0.70685	1
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6	11	7	4.44918	1.77280	3
-6	-11	-6	9.26115	1.27551	1
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-6	-11	-5	42.4200	2.0567	1
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6	-11	4	23.8282	1.3175	1
-6	-11	-4	19.8972	1.4962	2
-6	-11	-4	21.5055	1.2713	1
6	11	4	20.4159	1.8563	3
-6	11	-4	24.1279	1.2917	2
-6	-11	-3	13.3147	0.9556	1
6	-11	3	12.9167	1.0408	3
6	-11	3	12.3422	0.9710	1
-6	-11	-3	11.8523	1.1408	2
-6	11	-3	8.52334	1.50792	2
6	11	3	11.9939	1.1324	3
-6	-11	-2	1.30412	0.71140	2
-6	-11	-2	2.51841	1.27315	3
-6	-11	-2	1.93009	0.52504	1
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-6	-11	-1	16.0890	1.3667	2
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-6	11	-1	18.3210	1.0740	2
-6	11	-1	14.5651	2.0267	3
6	11	1	19.0213	1.3013	3
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-6	-11	0	10.4937	0.8317	1
-6	-11	0	10.2880	1.0164	3
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-6	11	0	10.4379	0.8048	2
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-6	-11	1	16.9366	1.4608	2
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-6	-11	1	17.8955	1.0725	1
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-6	-11	4	19.3541	1.4412	2
-6	-11	4	22.1842	1.4183	1
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-6	-11	5	40.5991	2.1787	2
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-6	11	6	7.84065	1.06920	3
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-6	-11	7	5.10613	0.69493	1
-6	-11	7	3.97514	1.32927	3
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-6	11	7	5.18154	1.59880	3
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-6	-11	9	8.66517	1.66830	3
-6	11	9	9.11232	1.06188	3
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-6	-11	12	1.38762	1.08707	3
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6	13	0	30.5729	1.5213	2
6	13	0	29.2184	2.1632	3
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6	-13	-1	38.6338	2.2537	2
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-6	-13	1	39.2220	2.2759	3
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6	-13	-2	17.4042	1.4103	2
6	-13	-2	17.1699	1.3058	3
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-6	-14	-14	15.7170	1.5239	1
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6	-15	-11	1.71285	1.04367	1
-6	-15	11	1.54244	0.88854	1
6	15	-11	0.63608	2.07699	2
-6	-15	12	6.17962	1.05858	1
6	-15	-12	6.01335	1.17062	1
-6	-15	13	11.8540	2.4581	1
6	-15	-13	12.4030	1.3857	1
6	-16	12	0.82265	0.87754	1
-6	-16	-12	0.19459	1.75804	1
-6	-16	-11	16.5650	1.4565	1
6	-16	11	14.5070	1.3364	1
-6	-16	-10	3.18983	0.97000	1
6	-16	10	2.50732	1.75381	1
6	16	10	2.86517	1.60564	3
-6	-16	-9	26.6749	1.6574	1
6	-16	9	25.6017	1.8744	3
6	-16	9	24.3677	1.6382	1
6	16	9	27.7397	2.8946	3
-6	-16	-8	1.83017	0.87176	1
6	-16	8	3.81044	1.76845	1

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6	-16	7	7.07230	0.98991	1
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6	-16	7	8.45539	1.01355	3
6	16	7	5.76659	1.04726	3
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-6	-16	-6	99.1903	4.8463	1
-6	16	-6	109.497	6.100	2
6	16	6	111.634	6.291	3
6	-16	5	37.2005	2.0768	1
-6	-16	-5	39.2754	2.0608	1
-6	-16	-5	39.8483	2.3183	2
6	-16	5	36.6269	2.4781	3
-6	16	-5	37.4500	2.0605	2
6	16	5	38.6836	2.3135	3
6	-16	4	41.1804	2.4371	3
-6	-16	-4	42.5008	2.4816	2
-6	-16	-4	41.1824	2.4220	1
6	-16	4	41.7482	2.2432	1
6	16	4	49.4963	2.6509	3
-6	16	-4	43.6386	2.8700	2
-6	-16	-3	1.33236	1.65265	2
6	-16	3	1.77619	0.81194	1
-6	-16	-3	2.48805	0.76966	1
6	-16	3	1.78101	0.92352	3
6	16	3	2.78945	1.62417	3
-6	16	-3	1.37727	0.58735	2
-6	-16	-2	35.1191	1.8188	1
6	-16	2	34.5026	1.8014	2
6	-16	2	30.4821	2.0401	3
6	-16	2	34.7248	1.8833	1
-6	-16	-2	34.3437	2.1585	2
6	16	2	34.0779	3.2971	3
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-6	-16	-1	5.25495	1.55913	2
6	-16	1	4.52629	1.05559	3
6	-16	1	4.47082	1.13475	2
6	-16	1	5.35253	0.87119	1
-6	-16	-1	5.05357	0.79810	1
6	16	1	6.59565	2.06118	3
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6	16	1	7.08506	0.62194	2
-6	-16	0	47.6298	2.3228	1
-6	-16	0	46.2367	2.6598	2
6	-16	0	45.8152	2.5290	2
6	-16	0	45.9327	2.6269	3
6	-16	0	45.2281	2.3924	1
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6	16	0	46.6508	2.2958	2
6	16	0	46.0317	3.7171	3
-6	-16	1	6.03780	1.02184	2
6	-16	-1	4.14849	0.86269	2
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6	-16	-1	6.05507	1.50519	1
6	16	-1	5.63338	0.61559	2
6	16	-1	6.75644	1.17495	3
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-6	16	1	4.87925	0.67136	2
-6	-16	2	33.1819	2.0679	2
-6	-16	2	35.6724	1.8705	1
6	-16	-2	35.0461	1.9795	1
-6	-16	2	32.9967	2.4523	2
6	-16	-2	34.3819	2.1229	2
-6	16	2	33.0536	2.2093	3
6	16	-2	33.8766	1.8305	2
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6	16	-2	36.0881	2.1888	3
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-6	-16	3	2.30150	0.90898	3
-6	-16	3	1.00335	0.72602	1
6	-16	-3	2.54325	0.85264	2
-6	-16	3	2.01639	0.82102	2
-6	16	3	1.45577	0.52730	2
-6	16	3	0.51609	0.95401	3
6	16	-3	2.71927	1.43833	2
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6	-16	-4	43.9646	2.9050	2
-6	16	4	45.6736	2.2475	2
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6	-16	-5	40.1352	2.3613	2
-6	-16	5	38.6296	2.1881	2
-6	-16	5	42.0553	2.3525	3
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6	16	-5	39.8909	2.1327	2
-6	-16	6	106.188	5.057	2
6	-16	-6	104.016	4.776	1
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6	-16	-6	103.241	5.107	2
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-6	-16	7	8.60476	1.07592	3
6	16	-7	6.50343	0.83424	2
-6	16	7	8.31760	1.18464	3
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-6	-16	10	1.90310	0.89378	3
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6	16	-10	0.31559	0.73729	2
-6	-16	11	13.3009	1.3252	1
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6	16	-11	16.1905	1.2692	2
-6	-16	12	0.82232	0.95803	1
6	-16	-12	0.69738	1.10429	1
-6	-16	13	0.19395	0.99026	1
6	-17	12	1.26776	0.92351	1
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-6	-17	-9	2.09253	0.93896	1
6	-17	8	17.6977	2.0665	1
6	-17	8	19.2021	1.4393	3
-6	-17	-8	18.4467	1.4457	1
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-6	-17	-7	6.38143	1.98278	1
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6	17	7	8.45709	1.11530	3
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6	-17	6	6.26652	1.13381	3
-6	-17	-6	6.29957	0.95958	1
-6	17	-6	5.42611	1.64682	2
6	17	6	7.58532	2.05937	3
-6	-17	-5	11.9326	1.5641	2
6	-17	5	11.9668	1.1461	1
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-6	-17	-5	11.8082	1.1016	1
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6	17	5	11.9391	1.3187	3
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6	-17	4	9.89750	1.04782	1
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-6	-17	0	-0.3565	0.7114	1
6	-17	0	1.13351	0.73413	2
6	-17	0	0.96895	0.85273	1
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6	17	0	0.82683	1.49444	3
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-6	17	6	6.16229	1.12916	3
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6	17	-10	-0.2918	1.5220	2
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6	17	-11	1.39658	0.81023	2
6	-17	-12	0.53809	2.22493	1
-6	-17	12	2.25936	1.69722	1
6	-18	11	0.28560	1.67620	1
-6	-18	-10	3.58433	1.09435	1
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-6	-18	-9	4.73575	1.05975	1
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-6	-18	-8	3.39398	1.90984	1
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6	-18	7	0.93966	0.85454	3
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-6	-18	-5	19.0376	1.4438	1
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-6	-18	-4	2.12639	0.99828	2
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6	18	3	3.48661	1.12150	3
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6	-18	0	2.90480	1.59054	3
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-6	-18	0	2.66449	1.02060	2
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6	18	0	2.29346	0.46913	2
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6	18	-3	3.23122	0.67263	2
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6	18	-4	3.42165	1.41264	2
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6	18	-7	-0.7076	0.6713	2
-6	18	7	1.64422	1.05007	3
-6	-18	8	4.29320	1.08383	3
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6	-18	-8	4.26438	1.10916	2
6	-18	-8	2.72100	1.10259	1
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6	18	-8	2.06439	0.78292	2
6	-18	-9	2.13655	1.11266	1
6	-18	-9	3.35465	1.12507	2
-6	-18	9	2.67198	1.00556	1
6	18	-9	3.13962	0.84367	2
6	-18	-10	6.69550	1.27446	2

6	-18	-10	3.83651	1.16848	1
-6	-18	10	5.39128	1.08487	1
6	18	-10	6.09076	0.94288	2
6	-18	-11	0.14978	1.84288	1
-6	-18	11	0.27378	1.84799	1
6	18	-11	0.65822	0.83982	2
6	-19	10	22.6202	1.6548	1
-6	-19	-9	2.98597	2.09932	1
6	-19	9	3.03527	1.81912	1
-6	-19	-8	8.04858	1.13692	1
6	-19	8	8.96944	1.68790	1
-6	-19	-7	5.27666	1.03390	1
6	-19	7	4.20436	1.03156	1
-6	19	-7	4.68419	0.80048	2
6	-19	6	16.0704	2.2495	3
-6	-19	-6	17.5067	2.1860	1
6	-19	6	16.4365	1.9464	1
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6	19	6	19.2518	1.9267	3
-6	19	-6	16.7978	2.2207	2
6	-19	5	12.3610	1.2480	1
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-6	-19	-5	12.3757	2.1124	1
6	-19	5	13.7196	1.4916	3
6	19	5	13.8000	1.7081	3
-6	19	-5	13.5924	1.1684	2
6	-19	4	13.8721	1.2971	1
6	-19	4	12.1816	2.1679	3
-6	-19	-4	11.3538	1.3385	2
-6	-19	-4	13.6571	1.5789	1
6	19	4	13.8763	1.4876	3
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-6	-19	-3	6.61167	0.97768	1
6	-19	3	5.56544	0.97964	1
6	-19	3	8.85598	1.14787	3
-6	-19	-3	5.15492	1.14019	2
6	19	3	7.03425	1.18956	3
-6	19	-3	6.02816	0.81990	2
-6	-19	-2	2.00301	1.00707	2
6	-19	2	1.32385	0.96188	3
-6	-19	-2	1.29456	1.03556	2
-6	-19	-2	1.86944	0.82142	1
6	-19	2	0.97421	0.75174	2
6	-19	2	1.13791	0.90614	1
-6	19	-2	1.04019	0.65029	2
6	19	2	0.35171	1.00091	3
6	-19	1	7.43898	1.38440	2
6	-19	1	10.3291	2.1811	3
-6	-19	-1	8.41212	1.02369	1
-6	-19	-1	9.17328	1.22129	2
-6	-19	-1	7.99119	1.21951	2
6	-19	1	8.69626	1.10034	1
6	19	1	9.97208	1.25861	3
-6	19	-1	9.17166	0.88430	2

-6	-19	0	8.08102	1.17177	2
6	-19	0	5.42576	0.92797	2
-6	-19	0	6.21626	1.16098	2
6	-19	0	6.22874	1.04300	1
-6	-19	0	8.06461	0.96791	1
-6	19	0	5.69031	1.27592	2
6	19	0	6.30573	0.62005	2
6	19	0	8.01171	1.20298	3
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-6	-19	1	8.58608	0.98295	1
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-6	-19	1	8.51563	1.13092	2
6	19	-1	9.09649	0.84740	2
-6	19	1	6.43514	0.78244	2
6	-19	-2	0.67059	1.24031	1
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-6	-19	2	2.42186	0.92971	2
-6	-19	2	2.75453	0.84625	1
-6	19	2	0.33282	0.60909	2
6	19	-2	1.61926	0.59744	2
6	-19	-3	5.57383	1.06363	2
-6	-19	3	5.93511	1.05080	1
-6	-19	3	4.68253	0.97707	2
6	-19	-3	5.41265	1.09290	1
-6	19	3	5.71405	0.66921	2
6	19	-3	6.08719	0.73781	2
-6	-19	4	13.2369	2.6345	1
6	-19	-4	14.9563	1.5444	2
6	-19	-4	13.5518	1.3695	1
-6	-19	4	15.0481	1.4279	2
-6	19	4	13.0408	0.9790	2
6	19	-4	12.7337	1.1080	2
-6	19	4	14.2001	2.6216	3
-6	-19	5	13.0197	1.4127	3
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6	19	-5	12.4213	1.9483	2
-6	19	5	12.8623	2.8309	3
6	-19	-6	20.8002	2.6146	1
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-6	-19	6	17.2065	1.4233	1
-6	-19	6	16.2983	4.5562	3
-6	19	6	21.0096	2.2234	3
6	19	-6	16.7255	1.3577	2
-6	-19	7	4.30265	1.00285	1
6	-19	-7	3.66238	1.15434	1
6	-19	-7	5.12973	1.72078	2
-6	-19	7	7.03078	1.47701	3
-6	19	7	7.30477	1.58088	3
6	19	-7	5.20773	0.87107	2
6	-19	-8	10.3217	1.3284	1
-6	-19	8	9.63207	1.17515	1

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6	19	-8	8.10476	0.99665	2
6	-19	-9	4.87072	1.93878	2
-6	-19	9	2.31382	1.01983	1
6	-19	-9	3.78241	1.16357	1
6	19	-9	3.48666	0.84965	2
6	-19	-10	29.3420	1.9693	1
-6	-19	10	26.9249	1.8405	1
6	-19	-10	35.1115	3.2790	2
6	19	-10	27.4847	1.8469	2
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6	-20	8	6.50770	1.83915	1
-6	-20	-8	7.61171	1.17475	1
-6	20	-8	6.24692	0.91115	2
6	-20	7	0.23358	0.93512	1
-6	-20	-7	1.81378	1.40040	1
-6	20	-7	0.59375	1.35669	2
-6	-20	-6	3.59962	1.07377	1
-6	-20	-6	3.14429	1.15757	2
6	-20	6	2.57879	2.32108	1
-6	20	-6	4.58668	0.81994	2
6	-20	5	37.6200	2.3696	3
-6	-20	-5	36.7733	2.4526	2
-6	-20	-5	39.3177	2.2739	1
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6	20	5	46.0857	3.8229	3
-6	20	-5	38.0368	2.1323	2
-6	-20	-4	2.78537	0.97384	1
6	-20	4	2.96644	1.00480	1
-6	-20	-4	3.60478	1.14743	2
6	-20	4	3.85021	1.73064	3
-6	-20	-4	4.22687	1.13266	2
6	20	4	3.28575	1.22399	3
-6	20	-4	3.53006	0.77452	2
6	-20	3	1.68408	0.93463	1
-6	-20	-3	0.17796	1.05625	2
-6	-20	-3	0.82494	0.92443	1
6	-20	3	1.94816	1.01023	3
-6	-20	-3	0.31822	1.07687	2
6	20	3	1.28355	1.07030	3
-6	20	-3	2.25331	0.75366	2
-6	-20	-2	1.15860	0.88009	1
-6	-20	-2	0.07948	1.01269	2
6	-20	2	-0.0723	0.9293	1
-6	-20	-2	0.70847	1.46693	2
6	-20	2	1.88037	1.05361	3
6	20	2	0.01312	0.99247	3
-6	20	-2	0.50132	0.68795	2
-6	-20	-1	-0.7002	1.0336	2
6	-20	1	0.90951	0.69901	2
6	-20	1	0.17878	0.93425	1
-6	-20	-1	-0.2339	0.8484	1
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6	20	1	1.39327	1.05276	3

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-6	-20	0	11.3058	1.1234	1
-6	-20	0	13.1051	1.3526	2
-6	20	0	11.1627	0.9886	2
6	20	0	9.71676	0.88458	2
6	20	0	10.6423	1.4054	3
-6	-20	1	0.63198	0.96131	2
6	-20	-1	1.55045	1.01227	1
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6	-20	-1	-0.0778	0.9344	2
-6	20	1	0.39669	0.61765	2
6	20	-1	1.23382	0.56918	2
6	-20	-2	0.96305	1.00294	2
6	-20	-2	-0.6197	1.6981	1
-6	-20	2	-0.4998	0.8571	1
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-6	20	2	0.81457	0.61731	2
6	20	-2	0.94531	0.61970	2
-6	-20	3	0.04765	0.91232	2
6	-20	-3	0.08875	1.53931	1
-6	-20	3	2.03222	1.56569	1
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-6	20	3	0.57478	0.75418	2
6	-20	-4	3.36317	1.08775	2
6	-20	-4	2.97020	2.11491	1
-6	-20	4	4.71447	1.64190	1
-6	-20	4	4.48638	0.92031	2
6	20	-4	3.49660	1.64353	2
-6	20	4	3.94160	2.49751	3
-6	20	4	3.67427	0.57296	2
6	-20	-5	38.7124	2.4195	2
6	-20	-5	38.4902	2.3328	1
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-6	20	5	39.1927	3.2815	3
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6	-20	-6	3.63890	1.14004	2
-6	-20	6	5.33562	3.63085	3
-6	-20	6	2.39015	0.97348	1
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6	20	-6	4.18318	2.11824	2
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-6	-20	7	0.11237	0.93142	1
6	20	-7	0.44246	0.73664	2
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6	-20	-8	7.34902	1.31958	1
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6	-20	-9	13.2611	1.4712	1
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-6	-21	-7	1.31152	1.04948	1
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-6	-21	-6	1.41047	1.12439	2
-6	-21	-6	0.74359	1.24501	1
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-6	-21	-5	25.0370	1.9565	2
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-6	-21	-4	22.1663	1.6627	1
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-6	-21	-4	22.9769	1.9553	2
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6	-21	3	3.38881	1.01932	1
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-6	-21	-3	1.81371	1.14351	2
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-6	-21	-2	4.60304	1.19841	2
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6	21	2	4.79967	1.19200	3
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-6	-21	-1	10.6582	1.3124	2
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-6	-21	0	21.3355	1.8741	2
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6	-21	-1	8.46757	1.16084	2
6	21	-1	10.0201	0.9483	2
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6	21	-2	5.70070	0.76577	2
6	-21	-3	2.19104	1.06736	2
6	-21	-3	1.64228	1.13463	1
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-6	-21	3	2.49942	1.59002	1
-6	21	3	2.28323	0.81718	2
6	21	-3	2.87323	0.72741	2
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-6	-21	4	22.7195	1.8536	1
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6	-21	-5	24.3605	2.0807	1
6	-21	-5	25.6101	2.0068	2
-6	-21	5	24.8871	2.3573	1
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-6	-22	-5	1.22961	1.05076	1
-6	-22	-5	3.20319	1.16276	2
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-6	-22	-4	3.54453	1.41618	1
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6	-22	-4	2.66191	2.36675	1
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6	-22	-5	1.32456	1.12120	2
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6	22	-6	18.5592	1.3484	2
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-6	-23	-2	0.44181	1.09748	2
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6	-23	0	0.44402	0.85388	2
6	-23	0	1.83634	1.12305	1
-6	-23	0	1.30109	1.07017	2
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6	23	-1	19.3252	1.4300	2
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-6	23	2	0.25456	0.62768	2
6	-23	-3	11.6476	1.5281	1
6	-23	-3	15.3420	1.5223	2
-6	-23	3	18.3480	2.1045	2
-6	-23	3	15.0391	1.7591	1
6	23	-3	15.3269	1.2077	2
7	0	17	-0.6181	0.9003	1
7	0	16	73.2280	3.5117	1
7	0	15	1.18096	0.80365	1
7	0	14	76.5721	3.5774	1
7	0	13	0.97469	0.68676	1
7	0	12	29.3073	2.2409	1
7	0	11	0.22966	0.96385	1
7	0	10	603.707	26.006	1
7	0	9	-0.8105	0.5793	1
7	0	8	180.123	7.839	1
7	0	7	-0.3173	0.4189	1
7	0	6	657.385	28.682	1
7	0	5	-0.0663	0.3241	1
7	0	3	0.20048	0.35899	3
7	0	3	0.15025	0.26679	3
-7	0	-3	0.00486	0.27023	3
-7	0	-2	482.552	22.541	3
7	0	2	456.153	22.601	3
7	0	2	475.982	22.546	3
7	0	1	-0.2946	0.3169	3
7	0	1	-0.2933	0.2778	3
-7	0	-1	-0.3439	0.5280	3
7	0	-1	-0.8275	0.3546	3
-7	0	1	-0.6951	0.4503	3
7	0	-1	-0.1142	0.2548	2
-7	0	2	475.225	21.993	3
-7	0	2	434.885	21.141	2
7	0	-2	468.707	21.130	2
7	0	-3	-0.2912	0.4428	2
-7	0	3	-0.1957	0.2815	1
-7	0	3	-0.1470	0.3924	2
-7	0	3	-0.4071	0.3723	3
-7	0	4	801.265	38.683	2
-7	0	4	908.306	40.237	3
-7	0	4	849.940	36.101	1
-7	0	4	827.431	40.214	3
7	0	-4	822.022	38.665	2
7	0	-5	-0.5140	0.6002	2
-7	0	5	-0.6317	0.5406	3
-7	0	5	-0.4641	0.3692	2
-7	0	5	-0.4339	0.8084	3
-7	0	5	-0.6702	0.3583	1
-7	0	6	679.416	31.386	3
-7	0	6	650.742	28.189	1
7	0	-6	630.518	30.168	2

-7	0	6	664.269	31.480	3
-7	0	7	0.27645	0.45060	1
-7	0	7	-0.0850	0.4378	3
-7	0	7	0.26854	0.25448	3
7	0	-7	0.23216	0.39906	2
-7	0	8	178.871	8.605	3
-7	0	8	176.839	7.767	1
-7	0	9	0.06757	0.58227	1
-7	0	9	-0.1305	0.5656	3
-7	0	10	594.738	28.903	3
-7	0	10	596.759	25.673	1
-7	0	11	-0.0397	1.2016	3
-7	0	11	0.52323	0.67206	1
-7	0	12	28.7377	2.8607	3
-7	0	12	30.2956	1.7015	1
-7	0	13	0.50092	0.76958	1
-7	0	13	-0.3527	1.0635	3
-7	0	14	77.3748	3.6230	1
-7	0	14	74.8503	4.2191	3
-7	0	15	0.15992	0.87102	1
-7	0	16	71.2511	3.4817	1
-7	0	17	-1.8414	0.9604	1
7	-1	17	3.23453	0.98672	1
7	1	17	4.59303	1.00870	1
7	-1	16	5.00248	0.96348	1
7	1	16	5.17993	0.96962	1
7	-1	15	7.29759	0.94805	1
7	1	15	8.29256	0.97721	1
7	-1	14	59.6361	2.9942	1
7	1	14	57.7768	2.8453	1
7	-1	13	1.56870	1.00675	1
7	1	13	0.14179	0.69774	1
7	-1	12	19.3109	1.6564	1
7	1	12	17.0173	1.2075	1
7	-1	11	18.6266	1.6594	1
7	1	11	23.8065	1.3054	1
7	-1	10	95.5996	3.7842	1
7	1	10	72.1274	3.7623	1
7	-1	9	6.03066	0.87216	1
7	1	9	4.75627	0.86809	1
7	1	8	30.1554	1.6597	1
7	-1	7	3.59748	0.47848	1
7	-1	6	21.4663	1.0831	1
7	1	5	23.2351	1.1808	1
7	-1	2	-0.2332	0.2868	3
7	1	2	-0.0604	1.3359	3
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-7	-1	-1	-0.5438	0.3108	3
7	-1	1	1.49081	0.57009	3
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-7	1	-1	-0.1859	0.3536	3
7	-1	0	0.24762	0.33773	3
7	-1	0	0.23069	0.68952	3

-7	-1	0	-0.3817	0.4121	3
-7	1	0	-0.1976	0.3607	3
7	1	0	-0.6443	0.3045	3
7	1	0	-0.1373	0.8536	3
7	-1	-1	0.98845	0.36160	3
-7	-1	1	-0.8761	0.7998	3
7	1	-1	-0.9144	0.6779	3
-7	1	1	0.32704	0.37007	3
7	1	-1	-0.6431	0.3406	3
7	1	-1	0.15980	0.23887	2
-7	-1	2	0.60623	0.38059	2
7	-1	-2	0.50970	0.26174	2
-7	-1	2	-0.8134	0.3495	3
7	1	-2	0.23137	0.63031	3
-7	1	2	0.72171	0.30566	2
-7	1	2	0.31239	0.47866	3
7	1	-2	-0.7282	0.2675	2
7	-1	-3	0.86554	0.31890	1
-7	-1	3	0.73716	0.45870	3
-7	1	3	0.42696	0.37135	3
7	1	-3	0.47257	0.34489	2
7	1	-3	0.19556	0.36960	3
-7	-1	4	18.4015	1.3991	3
7	-1	-4	21.7838	1.1179	2
-7	-1	4	23.4478	1.2025	3
7	1	-4	17.4261	1.1845	3
-7	1	4	20.0989	1.1865	3
-7	-1	5	55.1459	2.7232	3
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7	1	-5	44.6006	2.4510	3
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-7	-1	6	13.7346	1.5036	3
-7	-1	6	22.0986	1.2074	1
-7	1	6	18.3823	1.0874	3
-7	1	6	21.6697	1.5919	3
7	1	-6	13.4405	1.0919	3
7	-1	-7	4.28312	0.93680	2
7	1	-7	2.75083	0.95093	3
7	1	-7	3.16600	0.45837	2
-7	1	7	4.09514	1.26051	3
-7	-1	8	52.1955	2.5569	3
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-7	-1	9	10.5035	0.8880	1
-7	1	9	7.60153	1.00045	3
-7	1	9	10.4148	0.8926	1
-7	-1	10	91.2735	5.1683	3
-7	-1	10	99.8110	4.3279	1
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-7	1	10	93.9610	5.1057	3
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-7	1	11	16.6184	2.5710	3
-7	1	11	21.1109	1.2851	1
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-7	-1	12	19.2140	1.3162	1
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-7	1	12	18.8127	1.3146	1
-7	-1	13	1.38186	2.69021	3
-7	-1	13	0.74170	0.77772	1
-7	1	13	0.57360	0.96008	3
-7	1	13	1.49307	0.80969	1
-7	-1	14	60.8243	2.8057	1
-7	-1	14	52.2918	3.0311	3
-7	1	14	56.5890	2.8021	1
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7	-2	14	6.26997	0.99603	1
7	2	14	5.07790	0.89155	1
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7	2	13	7.51920	0.87844	1
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7	2	12	0.07301	0.68047	1
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7	2	11	1.56817	0.63478	1
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7	2	9	6.72686	0.68448	1
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7	2	6	18.2022	0.9352	1
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7	-2	4	2.25262	0.32355	1
7	-2	4	2.61509	0.39862	3
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7	-2	0	5.33906	0.76812	3
-7	-2	0	5.48138	0.58043	3
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-7	2	2	7.39838	0.57853	2
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-7	-2	5	15.4097	0.8672	1
-7	-2	5	14.5642	0.9799	3
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-7	-2	5	13.7639	1.2194	3
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-7	2	5	15.8957	0.9358	1
-7	2	5	14.8440	0.9435	2
7	-2	-6	14.8794	1.2590	2
-7	-2	6	17.7772	1.0635	3
-7	-2	6	16.5066	1.4343	1
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-7	-2	8	-0.8052	0.5912	3
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-7	2	8	-0.3503	0.5468	1
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-7	2	9	6.34830	1.07858	3
-7	2	9	6.14836	0.76769	1
-7	-2	10	34.4491	2.3013	3
-7	-2	10	36.0791	2.3369	1
-7	2	10	37.7703	1.9158	1
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-7	2	12	0.95207	0.83216	1
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-7	2	13	6.74640	1.14401	3
-7	-2	14	4.79883	0.93459	1
-7	-2	14	5.52509	2.28226	3
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-7	-2	15	19.0794	1.4512	1
-7	2	15	22.3193	3.0146	1
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-7	2	16	4.59057	1.16572	1
-7	-2	17	0.14454	0.93673	1
7	-2	-17	-0.2066	1.0199	1
-7	2	17	0.45051	0.98453	1
-7	-3	-17	1.21402	1.04888	1
7	-3	17	1.50641	0.95873	1
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7	3	-3	18.1941	1.2339	3
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7	-3	-4	47.4656	2.2261	1
7	3	-4	38.4581	2.3406	3
-7	-3	5	0.21606	0.36498	1
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-7	-3	5	1.16427	0.89941	3
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-7	3	5	0.49325	0.85493	3
7	3	-5	0.57307	0.96968	3
7	3	-5	0.39416	0.33922	2
-7	3	5	0.28044	0.47372	3
-7	-3	6	87.5739	4.8465	1
7	-3	-6	106.228	4.146	1
-7	-3	6	78.6358	4.5854	3
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7	3	-6	102.472	5.076	3
-7	3	6	99.4337	4.5705	3
-7	3	6	85.6581	4.6773	3
-7	-3	7	3.34977	0.87261	3
7	-3	-7	1.88740	0.52866	3
7	-3	-7	1.28809	0.52936	1
7	-3	-7	3.53640	0.49333	2
7	3	-7	1.91300	0.58695	3
7	3	-7	2.20653	0.72458	2
-7	3	7	0.21632	0.75758	3
-7	3	7	2.95649	0.68273	3
7	-3	-8	4.65484	0.65301	1
-7	-3	8	7.24617	0.72862	3
-7	-3	8	3.85585	0.57073	1
7	-3	-8	4.31091	0.55998	2
-7	3	8	5.90548	0.67676	1
7	3	-8	2.07428	0.88977	2
-7	3	8	5.20336	1.20628	3
-7	-3	9	19.7509	1.6950	1
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-7	-3	9	22.2822	1.3178	3
-7	3	9	18.4399	1.6984	3
-7	3	9	23.5134	1.3525	1
-7	-3	10	111.215	4.775	1
-7	-3	10	100.048	5.230	3

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-7	3	10	104.942	5.798	1
-7	-3	11	31.9815	1.9241	3
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-7	3	11	30.0530	2.0387	3
-7	3	11	37.0947	2.3337	1
-7	-3	12	18.4690	1.8334	1
7	-3	-12	23.8812	2.0151	1
-7	-3	12	20.0199	2.0579	3
-7	3	12	20.1280	1.7238	3
-7	3	12	21.3136	1.9792	1
-7	-3	13	2.51828	1.51488	1
-7	-3	13	3.13609	1.22209	3
7	-3	-13	2.50595	0.97991	1
-7	3	13	2.49527	0.98821	3
-7	3	13	0.42178	0.82962	1
-7	-3	14	3.84630	0.87274	1
-7	-3	14	2.59997	0.93187	3
7	-3	-14	4.27523	0.94836	1
-7	3	14	3.74825	1.00565	3
-7	3	14	3.10255	0.94025	1
-7	-3	15	4.98221	0.92225	1
7	-3	-15	2.91450	0.99190	1
-7	3	15	4.52488	1.02914	1
7	-3	-16	2.66206	1.03856	1
-7	-3	16	1.19558	0.92970	1
-7	3	16	1.28565	0.98738	1
-7	-3	17	1.58078	0.98992	1
7	-3	-17	1.73999	1.09632	1
-7	-4	-17	44.5119	2.7287	1
7	-4	17	45.7812	2.6249	1
-7	-4	-16	-0.4039	0.9428	1
7	-4	16	0.03800	0.88115	1
7	4	16	-0.0525	0.9019	1
7	-4	15	18.1259	1.7069	1
-7	-4	-15	18.1473	1.4090	1
7	4	15	16.3564	1.4124	1
-7	-4	-14	-1.4152	0.8225	1
7	-4	14	-0.0552	0.7151	1
7	4	14	-0.4946	0.7885	1
7	-4	13	49.0411	3.1146	1
7	4	13	46.8724	2.5627	1
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7	4	12	2.80907	1.55118	1
7	-4	11	19.0323	1.2535	1
7	4	11	21.2635	2.5505	1
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7	4	10	19.2540	2.2765	1
7	-4	9	1107.43	47.27	1
7	4	9	1095.28	47.77	1
7	-4	8	5.41398	0.72624	1
7	4	8	5.01578	0.61030	1
-7	-4	-7	114.257	5.060	1
7	-4	7	115.593	5.076	1

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-7	-4	-6	1.98954	0.92895	1
7	-4	5	759.245	38.023	3
-7	-4	-5	805.768	34.063	1
7	-4	5	806.570	37.924	3
7	-4	5	805.521	34.077	1
-7	-4	-4	10.4156	0.7863	3
7	-4	4	10.8332	0.7157	1
7	-4	4	12.4212	0.7457	3
7	4	4	13.3663	0.7517	3
-7	4	-4	11.5465	0.9852	3
7	4	4	10.6634	0.7069	3
-7	-4	-3	35.7799	2.3358	3
7	-4	3	38.3430	1.7777	1
7	-4	3	46.1975	2.2281	3
7	-4	3	37.0935	1.9785	3
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-7	4	-3	38.6728	2.0454	3
-7	-4	-2	3.92618	0.46454	3
7	-4	2	5.35958	0.41665	1
7	-4	2	5.42742	0.47515	3
7	-4	2	4.89886	0.99412	3
-7	4	-2	5.53555	0.94722	3
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7	4	2	4.46006	0.64937	3
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-7	-4	-1	2056.81	97.73	3
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7	4	1	2098.03	98.08	3
-7	4	-1	2173.66	97.88	3
-7	-4	0	-0.8073	0.3377	3
7	-4	0	-0.4611	0.2137	2
7	-4	0	0.53361	0.35848	3
7	-4	0	-0.2482	0.3728	3
7	4	0	-0.8403	0.4555	3
7	4	0	-0.0463	0.1975	2
7	4	0	-0.3097	0.3472	3
-7	4	0	-0.4615	0.3881	3
-7	-4	1	2002.43	99.33	3
7	-4	-1	1929.88	89.28	1
7	-4	-1	2103.70	95.68	2
7	-4	-1	2104.61	99.12	3
-7	-4	1	2084.35	95.35	2
-7	4	1	1993.00	95.32	2
7	4	-1	2092.60	99.52	3
7	4	-1	2259.17	99.12	3
7	4	-1	2097.24	95.62	2
-7	4	1	2103.28	99.28	3
-7	-4	2	5.68329	0.57107	2
7	-4	-2	5.02269	0.53740	3
7	-4	-2	5.48093	0.54134	2
7	-4	-2	5.42149	0.50005	1

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7	4	-2	4.79827	1.02261	3
-7	4	2	5.05989	0.88701	3
-7	4	2	4.80407	0.48739	2
7	-4	-3	37.8825	1.8680	1
7	-4	-3	41.3450	2.0524	3
-7	-4	3	38.7064	1.7825	1
-7	-4	3	41.6729	2.4505	3
-7	-4	3	37.0719	2.0433	2
7	-4	-3	37.9191	2.1147	2
7	4	-3	39.2184	2.5458	3
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-7	4	3	39.2219	2.0474	2
-7	4	3	39.0268	2.1178	3
-7	-4	4	9.71952	0.94554	2
7	-4	-4	13.7219	1.5103	3
7	-4	-4	14.3903	1.7752	1
-7	-4	4	14.1659	1.2074	1
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7	-4	-4	9.83619	0.82720	2
7	4	-4	11.4220	1.1139	2
7	4	-4	12.6504	0.9134	3
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7	-4	-5	753.579	36.162	2
-7	-4	5	737.157	36.165	2
-7	-4	5	771.025	37.618	3
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-7	-4	5	836.506	37.607	3
7	4	-5	791.754	38.291	3
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-7	4	5	803.429	37.632	3
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7	-4	-6	1.96567	0.99466	3
-7	-4	6	1.33583	0.42417	1
-7	-4	6	2.09574	0.31546	2
7	-4	-6	2.12272	0.47254	2
-7	4	6	2.47133	1.73130	3
7	4	-6	1.29810	0.89878	3
7	4	-6	2.32612	0.41251	2
-7	4	6	2.17228	1.04981	3
-7	-4	7	115.404	5.507	3
7	-4	-7	102.204	5.298	2
-7	-4	7	110.196	4.953	1
7	-4	-7	110.926	5.086	1
7	-4	-7	116.054	6.101	3
7	4	-7	116.963	5.537	3
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-7	-4	9	1089.44	50.93	3
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7	-4	-10	15.2429	1.2470	1
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-7	-4	11	16.0640	1.1338	3
7	-4	-11	16.4212	1.3584	1
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-7	-4	12	4.88114	1.26368	1
-7	-4	12	4.38513	1.11762	3
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-7	4	12	4.61948	0.95767	3
7	-4	-13	47.9661	2.5099	1
-7	-4	13	45.2242	2.5568	1
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-7	4	13	46.8105	2.6286	3
-7	4	13	49.5055	2.4992	1
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-7	-4	15	19.2320	1.4693	1
7	-4	-15	22.9208	2.6467	1
7	-4	-16	2.40168	2.80966	1
-7	-4	16	-0.8463	0.8546	1
7	-4	-17	46.3086	2.8065	1
-7	-4	17	41.8877	2.3944	1
7	-5	17	0.50357	0.92885	1
-7	-5	-17	0.00582	1.51808	1
-7	-5	-16	5.14657	2.10668	1
7	-5	16	3.57434	1.01786	1
7	-5	15	2.77756	0.83212	1
-7	-5	-15	0.85254	2.40964	1
-7	-5	-14	7.60822	1.68056	1
7	-5	14	7.51484	1.57057	1
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-7	-5	-7	1.60672	0.64129	1
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-7	-5	-4	39.8049	2.0686	3
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7	-5	3	0.86981	0.53161	3
7	-5	3	1.52329	0.40633	3
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7	-5	2	13.0105	0.8664	3
-7	-5	-2	15.4049	1.4300	3
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7	5	2	16.5765	0.9740	3
7	5	2	13.1820	1.2448	3
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-7	-5	-1	31.0719	1.6804	3
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7	-5	1	29.9762	1.6660	3
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7	5	0	1.37221	0.39001	3
-7	5	0	1.56381	0.46485	3
7	5	0	2.08883	0.92839	3
7	-5	-1	36.8228	1.6871	1
7	-5	-1	30.3289	1.5647	2
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7	-5	-3	0.80932	0.42943	3
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7	-5	-3	1.38342	0.54459	1
-7	-5	3	0.05163	0.56573	3
-7	-5	3	0.20113	0.50266	2
-7	-5	3	0.84673	0.28773	1
-7	5	3	1.23811	0.87307	3
7	5	-3	0.30580	0.53895	3
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-7	5	3	1.00599	0.33665	2
7	-5	-4	41.1174	1.8585	1
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-7	-5	4	40.5474	2.0130	2
-7	-5	4	35.3354	2.1936	3
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7	-5	-6	16.5954	1.1404	2
-7	-5	6	16.2525	1.4843	3
-7	-5	6	15.2022	1.0671	3
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-7	-5	7	1.79722	2.13162	3
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7	-5	-8	10.4039	0.9352	2
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7	-5	-10	31.2675	2.2860	1

-7	-5	10	32.2091	1.7742	3
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-7	-5	11	6.57547	1.21792	1
7	-5	-11	6.28314	0.93015	1
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-7	-5	14	7.57798	1.16592	3
7	-5	-14	7.17011	1.32761	1
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-7	-5	16	3.99947	0.96596	1
7	-5	-16	4.85989	1.94242	1
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7	-5	-17	-0.3143	1.5376	1
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-7	-6	-15	11.4096	1.9304	1
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7	-6	13	17.3565	1.3181	1
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-7	-6	-11	4.68712	1.44465	1
-7	-6	-10	26.2356	1.7295	1
7	-6	10	25.5548	1.4763	1
7	-6	9	7.96163	1.28385	1
-7	-6	-9	7.63220	0.85057	1
-7	-6	-8	2.27258	0.58788	1
7	-6	8	4.66251	0.62810	1
7	-6	7	18.2084	1.0613	1
-7	-6	-7	17.5077	1.0881	1
-7	-6	-6	15.4018	1.0290	1
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7	-6	6	16.2094	1.2022	3
7	-6	6	18.0429	1.0026	3
7	-6	5	3.94132	0.48542	1
-7	-6	-5	3.56711	0.67013	1

7	-6	5	4.48189	0.54729	3
7	-6	5	3.56580	0.49118	3
7	6	5	4.90701	0.48934	3
-7	6	-5	3.11426	0.75503	3
7	6	5	3.46924	0.76064	3
-7	-6	-4	7.73839	0.65012	1
7	-6	4	6.87350	1.09817	3
7	-6	4	6.31248	0.53638	1
7	-6	4	6.64272	0.64308	3
-7	-6	-4	7.05647	0.60457	3
7	6	4	5.79232	0.64505	3
7	6	4	7.08023	0.76006	3
-7	6	-4	6.78643	0.72206	3
-7	-6	-3	56.3114	2.8670	3
7	-6	3	58.3829	2.9003	3
7	-6	3	55.7979	2.5537	1
7	-6	3	53.7923	2.8526	3
-7	6	-3	57.7007	2.9348	3
7	6	3	58.4062	2.8499	3
7	6	3	59.1457	3.1747	3
-7	-6	-2	0.39990	0.40309	3
7	-6	2	-0.0617	0.4132	3
7	-6	2	0.27573	0.35026	1
-7	6	-2	0.45600	0.81906	3
7	6	2	0.40197	0.66451	3
7	6	2	0.29171	0.90336	3
-7	-6	-1	2.40316	0.91415	3
7	-6	1	1.32899	0.72674	3
7	-6	1	2.00624	0.80024	3
7	-6	1	3.21925	0.80363	1
7	-6	1	1.22962	0.33648	2
-7	6	-1	1.05737	0.94325	3
7	6	1	1.70904	0.55473	3
7	6	1	1.45845	0.39598	3
-7	-6	0	178.774	8.110	2
7	-6	0	163.591	7.544	1
-7	-6	0	176.276	8.421	3
7	-6	0	170.878	8.465	2
7	-6	0	180.846	8.446	3
7	-6	0	175.382	8.540	3
7	6	0	173.867	8.460	3
7	6	0	169.558	8.035	2
7	6	0	171.621	8.428	3
-7	6	0	182.756	8.715	3
-7	6	0	172.899	8.060	2
7	-6	-1	2.70839	0.44535	1
-7	-6	1	1.11672	0.44388	3
-7	-6	1	1.14760	0.47667	2
7	-6	-1	2.06891	0.40142	2
7	-6	-1	1.38981	0.91938	3
-7	-6	1	2.28135	0.55915	1
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7	6	-1	1.56398	0.61906	3
-7	6	1	1.17711	0.71224	3

7	6	-1	1.67615	0.32031	2
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-7	-6	2	-0.0417	0.4102	3
7	-6	-2	0.39749	0.85543	2
-7	-6	2	-0.0799	0.3224	1
-7	-6	2	0.12610	0.48329	2
7	-6	-2	-0.1602	0.4314	3
7	6	-2	0.26774	0.66954	2
7	6	-2	-0.6325	0.4853	3
-7	6	2	0.69969	0.91247	3
-7	6	2	0.48697	0.30655	2
7	-6	-3	55.2471	2.7754	2
7	-6	-3	53.3540	2.6911	1
-7	-6	3	58.5631	3.5958	3
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-7	-6	3	56.3791	2.8354	2
7	-6	-3	58.0550	2.8820	3
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7	6	-3	55.6103	3.4175	3
7	-6	-4	7.44733	0.68239	3
-7	-6	4	6.02955	0.56975	1
7	-6	-4	7.38027	0.64371	2
-7	-6	4	7.43365	0.76505	3
-7	-6	4	7.71879	0.74823	2
7	-6	-4	6.40328	0.93171	1
7	6	-4	6.25758	0.63706	2
-7	6	4	5.91197	0.63610	2
-7	6	4	6.77564	1.03700	3
7	6	-4	6.93305	0.86882	3
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-7	-6	5	3.24143	0.44894	1
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-7	-6	5	2.84080	0.79215	3
-7	-6	5	5.00366	0.58830	2
7	-6	-5	3.89962	0.60144	1
-7	-6	5	3.76072	0.63299	3
7	6	-5	3.43824	0.79738	3
7	6	-5	2.97585	0.44700	2
-7	6	5	3.81416	0.44551	2
-7	6	5	4.15873	1.29702	3
7	-6	-6	14.0410	1.1485	2
-7	-6	6	14.6025	0.9640	1
7	-6	-6	21.1916	1.8706	1
-7	-6	6	15.7687	0.9310	2
7	-6	-6	15.2259	1.0990	3
-7	-6	6	16.1412	1.0869	3
7	6	-6	17.2964	1.3083	3
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-7	6	6	16.3924	1.3787	3
-7	-6	7	17.6369	1.4969	1
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7	-6	-7	16.6496	1.2263	1

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-7	6	7	17.5202	1.7610	3
-7	-6	8	3.53696	0.58041	1
-7	-6	8	3.70751	3.07519	3
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-7	6	8	3.88139	0.99368	3
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-7	-6	9	7.12413	0.75025	1
7	-6	-9	6.91748	0.89066	1
-7	-6	9	6.00754	0.77526	3
-7	6	9	8.08856	0.96590	3
-7	-6	10	25.0456	2.0872	3
7	-6	-10	28.5804	2.8605	1
-7	-6	10	23.7618	1.4266	1
-7	6	10	24.9721	1.8275	3
-7	-6	11	3.56972	2.02479	1
7	-6	-11	5.41180	0.93809	1
-7	-6	11	4.83096	0.74088	3
-7	6	11	4.16332	1.01576	3
-7	-6	12	2.12224	1.15564	1
-7	-6	12	1.61732	0.99138	3
7	-6	-12	1.62647	0.92993	1
-7	6	12	2.73450	1.12178	3
7	-6	-13	16.3054	1.4787	1
-7	-6	13	15.8757	1.5191	1
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-7	6	13	17.6221	1.5413	3
7	-6	-14	18.0026	1.5395	1
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-7	6	14	19.2005	1.6817	3
-7	-6	15	11.2385	1.5962	3
7	-6	-15	12.5440	1.3488	1
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7	-6	-16	9.40551	1.91757	1
-7	-6	16	11.0171	1.1896	1
7	-6	-17	3.42392	1.84025	1
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7	-7	16	4.28654	1.28856	1
-7	-7	-16	4.87226	1.16805	1
-7	-7	-15	3.01186	1.06628	1
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7	-7	14	51.7607	2.5829	1
-7	-7	-13	6.34530	1.16486	1
7	-7	13	6.18502	0.93447	1
-7	-7	-12	9.90204	1.02574	1
7	-7	12	8.07871	1.74725	1
7	-7	11	35.5254	1.9047	1
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7	-7	10	25.8609	1.4758	1
-7	-7	-10	24.7586	1.4898	1

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7	-7	9	7.06251	0.77183	1
7	-7	8	41.6325	2.0263	1
-7	-7	-8	40.4740	3.0091	1
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7	-7	7	4.99673	0.61788	1
7	-7	7	6.31895	0.63860	3
7	-7	6	0.44576	0.45077	1
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7	-7	6	-0.4823	0.5865	3
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7	7	6	1.07826	0.81810	3
7	7	6	0.50276	0.66093	3
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-7	-7	-5	8.15501	0.69016	1
-7	-7	-5	6.70106	1.06559	3
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7	7	5	7.30569	0.69268	3
7	7	5	4.27438	0.87584	3
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-7	-7	-4	5.33355	0.71855	1
7	-7	4	4.29233	0.74186	3
7	-7	4	7.70697	0.67442	1
-7	-7	-4	4.41106	0.59552	3
7	7	4	3.75804	1.01452	3
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-7	7	-4	4.73725	0.97934	3
-7	-7	-3	10.6803	0.8677	3
7	-7	3	6.66264	1.20359	3
7	-7	3	10.6014	0.8374	3
7	-7	3	12.0644	0.7637	1
-7	-7	-3	11.0189	0.6869	1
7	7	3	11.5498	0.8117	3
-7	7	-3	7.68929	1.03357	3
-7	-7	-2	1.92788	0.47512	3
7	-7	2	0.69013	0.62083	3
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-7	-7	-2	3.08090	0.36020	1
7	-7	2	1.86926	0.79139	1
7	7	2	2.11551	1.11795	3
-7	7	-2	1.15218	0.82087	3
7	-7	1	28.1357	1.5167	2
-7	-7	-1	31.7823	1.3857	1
7	-7	1	29.5932	1.8411	3
-7	-7	-1	29.1604	1.6248	3
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7	-7	1	28.5825	1.9065	1
7	7	1	29.1400	1.5976	3
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7	7	1	28.6477	2.4023	3
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7	-7	0	116.025	5.185	1
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7	-7	0	121.802	5.512	2
7	-7	0	115.015	5.784	3
-7	-7	0	113.835	6.263	3
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7	7	0	121.195	5.487	2
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-7	7	1	30.4087	1.4884	2
7	7	-1	28.5199	1.4618	2
-7	-7	2	2.48165	0.58808	2
-7	-7	2	2.07011	0.52322	1
-7	-7	2	2.12171	0.48896	3
7	-7	-2	1.76134	0.45995	2
7	-7	-2	1.89577	0.83726	1
7	-7	-2	0.88010	0.51236	3
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7	7	-2	2.17470	1.21233	3
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7	-7	-3	8.86868	0.84807	3
7	-7	-3	10.5561	0.9373	2
-7	-7	3	9.78009	1.00865	2
-7	-7	3	10.2969	0.6827	1
-7	-7	3	11.5143	0.8460	3
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7	7	-3	6.53140	1.30254	3
-7	7	3	6.48910	1.33173	3
7	-7	-4	2.02949	0.53908	3
-7	-7	4	4.30852	0.64724	2
7	-7	-4	3.48399	0.57717	1
-7	-7	4	3.60946	0.95418	3
-7	-7	4	6.37602	0.54780	1
7	-7	-4	3.41897	0.55222	2
-7	7	4	4.12641	0.43288	2
7	7	-4	4.32372	1.13250	3
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7	7	-4	1.88699	0.40716	2
-7	-7	5	5.18523	1.04350	3
7	-7	-5	4.91382	0.64909	2
7	-7	-5	4.53069	1.08930	1
-7	-7	5	5.34264	0.62798	2
7	-7	-5	3.47034	0.59438	3
-7	-7	5	6.82562	0.63803	1
-7	7	5	4.04217	0.87335	3
-7	7	5	5.94252	0.60643	2

7	7	-5	5.62303	0.76397	3
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-7	-7	6	0.03438	0.43026	1
-7	-7	6	1.10557	0.41635	2
-7	-7	6	0.70927	0.37465	2
7	-7	-6	0.43904	0.56947	2
7	-7	-6	-0.2081	0.5483	3
-7	-7	6	1.12773	1.06878	3
7	7	-6	0.45989	0.77245	3
-7	7	6	0.56669	1.34880	3
7	7	-6	-0.0584	0.4117	2
7	-7	-7	5.09601	0.67387	2
-7	-7	7	4.62947	0.58270	1
7	-7	-7	5.28412	0.76259	1
-7	-7	7	5.34604	0.66622	3
-7	7	7	4.44750	0.78225	3
7	7	-7	2.05945	0.71531	2
7	-7	-8	38.3128	2.4338	2
7	-7	-8	39.0510	3.6356	1
-7	-7	8	40.5316	2.1010	3
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-7	7	8	38.7816	2.5960	3
7	7	-8	33.3702	2.3138	2
-7	-7	9	6.27930	0.70070	1
7	-7	-9	5.43720	0.83730	1
-7	-7	9	7.37746	2.85266	3
-7	7	9	7.17367	1.21665	3
7	7	-9	4.25144	0.57356	2
-7	-7	10	24.5448	1.4864	1
7	-7	-10	27.0099	1.6474	1
-7	-7	10	27.4294	1.6740	3
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-7	-7	12	7.74301	2.33267	1
7	-7	-12	9.07681	1.13006	1
-7	-7	12	9.35392	0.91249	3
-7	7	12	8.18995	0.97129	3
-7	-7	13	5.42190	1.42225	1
7	-7	-13	4.81867	1.07615	1
-7	-7	13	4.84617	1.08030	3
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-7	-7	14	45.2943	2.6365	1
-7	7	14	47.8114	2.5316	3
-7	-7	15	2.73027	0.93111	1
7	-7	-15	4.24335	1.13324	1
-7	-7	16	4.26814	1.02885	1
7	-7	-16	4.62615	1.22947	1
7	-8	16	51.2875	4.7731	1
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-7	-8	-15	21.3522	1.5890	1
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-7	-8	-14	55.9611	2.8262	1
-7	-8	-13	27.2512	1.7025	1
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7	-8	12	20.2294	1.4264	1
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-7	-8	-10	307.149	13.892	1
7	-8	10	299.864	13.161	1
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-7	-8	-8	82.5431	3.7110	1
7	-8	8	83.5689	4.0430	3
7	-8	7	1.79877	0.56833	1
7	-8	7	1.81572	0.49461	3
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7	-8	7	1.16830	1.12458	3
7	8	7	1.36433	0.84570	3
7	8	7	1.58240	0.40508	3
7	-8	6	338.157	16.304	3
-7	-8	-6	331.277	14.335	1
7	-8	6	334.553	16.244	3
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7	8	6	324.538	16.374	3
7	8	6	335.403	15.953	3
7	-8	5	4.60207	0.93333	1
7	-8	5	4.46191	1.18469	3
-7	-8	-5	4.92792	0.56747	1
7	-8	5	5.76194	1.04960	3
7	8	5	4.29652	0.75143	3
7	8	5	6.29523	0.63805	3
7	-8	4	355.479	17.210	3
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7	-8	4	356.387	15.453	1
7	-8	4	370.924	17.224	3
-7	-8	-4	346.614	17.549	3
7	8	4	342.828	17.195	3
7	8	4	352.772	17.683	3
-7	8	-4	385.503	17.254	3
-7	-8	-3	2.56422	0.44882	1
7	-8	3	2.12612	0.47049	1
7	-8	3	2.22074	0.55025	3
-7	-8	-3	3.28053	0.55093	3
7	-8	3	1.08969	0.52135	3
7	8	3	2.80084	0.54329	3
7	8	3	1.88231	0.70174	3
-7	-8	-2	227.934	9.862	1
-7	-8	-2	227.564	11.025	3
7	-8	2	229.615	11.021	3
7	-8	2	232.216	11.813	3

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7	8	2	222.779	11.492	3
7	-8	1	52.1948	2.6071	3
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-7	-8	-1	47.2578	2.5291	2
7	-8	1	51.6385	2.5877	2
7	-8	1	48.3624	2.4611	1
7	-8	1	51.7737	3.5171	3
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7	8	1	50.6082	2.3639	2
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7	8	1	51.0761	2.5894	3
7	8	1	48.4217	2.7937	3
7	-8	0	1.15127	0.37774	2
-7	-8	0	1.38347	0.37261	1
-7	-8	0	-0.0755	0.5241	2
7	-8	0	1.03801	0.51476	1
-7	-8	0	0.92782	0.51932	3
-7	8	0	0.40091	0.34096	2
7	8	0	0.35498	0.70284	3
7	8	0	0.88146	0.45867	3
-7	8	0	0.78909	0.57924	3
7	8	0	0.62690	0.66375	2
7	-8	-1	51.6013	3.0075	2
-7	-8	1	51.0594	3.1740	3
7	-8	-1	49.8820	2.6134	3
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-7	-8	1	50.1325	2.5901	2
7	-8	-1	53.0758	2.3703	1
7	8	-1	47.0638	2.4217	2
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7	8	-1	46.5225	2.9476	3
7	-8	-2	243.665	11.848	3
7	-8	-2	222.778	10.750	2
-7	-8	2	232.672	10.809	2
7	-8	-2	224.902	10.053	1
-7	-8	2	234.332	11.770	3
-7	-8	2	232.553	10.017	1
-7	8	2	241.672	11.267	3
7	8	-2	227.293	11.730	3
-7	8	2	230.244	10.718	2
7	8	-2	228.902	11.009	2
-7	-8	3	3.24711	0.97559	3
7	-8	-3	3.76978	0.97094	1
-7	-8	3	2.62908	0.42358	1
-7	-8	3	2.37275	0.67606	2
7	-8	-3	2.29278	1.12600	3
7	-8	-3	3.12177	0.57156	2
-7	8	3	2.71437	0.67208	3
7	8	-3	2.22604	0.67938	3

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-7	8	3	1.99936	0.49538	2
7	-8	-4	340.303	17.120	2
-7	-8	4	377.699	17.800	3
-7	-8	4	378.189	16.099	1
7	-8	-4	358.054	15.995	1
-7	-8	4	347.437	17.148	2
7	-8	-4	378.922	18.354	3
7	8	-4	373.330	18.335	3
-7	8	4	390.534	17.867	3
-7	8	4	358.829	17.068	2
7	8	-4	402.230	17.088	2
7	-8	-5	4.47544	0.70199	3
-7	-8	5	4.25732	0.53634	1
-7	-8	5	4.92891	1.22180	3
-7	-8	5	4.98272	0.77592	2
7	-8	-5	4.24033	0.70322	1
7	-8	-5	5.87773	0.71372	2
-7	8	5	4.21864	1.45085	3
7	8	-5	4.33903	1.36559	3
-7	8	5	4.81438	0.50162	2
7	8	-5	4.88898	0.52796	2
7	-8	-6	335.425	15.212	1
-7	-8	6	317.527	15.493	2
-7	-8	6	331.254	16.125	3
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-7	-8	7	1.19665	0.52977	1
-7	8	7	0.99505	1.15245	3
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-7	-8	8	75.4206	3.5253	1
-7	-8	8	81.0988	3.9098	3
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7	-8	-8	76.8534	3.6078	1
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-7	-8	9	18.6956	1.4773	1
-7	-8	9	13.6395	1.5310	3
7	-8	-9	16.3052	1.3121	1
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7	8	-9	14.5697	1.4105	2
7	-8	-10	293.433	14.165	1
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-7	-8	10	292.299	14.038	3
-7	8	10	287.868	14.044	3
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-7	-8	11	1.75340	0.86769	3

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-7	-8	12	20.0048	1.3540	3
-7	-8	12	21.0520	1.4017	1
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-7	-8	13	28.3011	3.6653	1
-7	-8	13	23.8051	1.5111	3
7	-8	-13	25.4090	1.7521	1
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-7	-8	14	54.0066	2.8080	3
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7	-8	-15	19.4853	1.6807	1
-7	-8	16	47.4480	3.0122	1
7	-8	-16	51.3510	2.7564	1
-7	-9	-16	3.58374	1.22191	1
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-7	-9	-15	12.7266	1.5081	1
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-7	-9	-14	21.5552	2.0671	1
-7	-9	-13	-0.2016	0.8463	1
7	-9	13	0.75372	1.49358	1
-7	-9	-12	7.25037	0.94136	1
7	-9	12	8.83525	0.96433	1
-7	-9	-11	20.0307	1.3981	1
7	-9	11	20.7097	1.3838	1
-7	-9	-10	85.4202	3.8552	1
7	-9	10	82.8931	3.8626	1
-7	-9	-9	8.38597	1.86377	1
7	-9	9	11.2642	0.9920	1
7	-9	8	34.5027	1.8169	3
-7	-9	-8	34.7514	1.9719	1
7	-9	8	34.6909	1.9255	1
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7	9	7	9.90936	0.84266	3
7	9	7	8.44071	1.23876	3
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-7	-9	-6	46.8756	2.2017	1
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7	-9	3	3.66683	0.55023	1
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-7	9	-3	3.17101	0.80455	2
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7	-9	-7	7.39197	1.05095	1
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-7	-9	16	0.68538	1.78233	1
-7	-10	-15	20.3858	1.6171	1
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-7	-10	-12	0.19781	1.11764	1
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-7	-10	-11	8.02237	1.92126	1
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-7	-10	-8	5.63254	0.73741	1
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-7	-10	4	8.46802	1.11051	3
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7	-10	-5	7.38018	1.68480	3
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-7	-10	5	7.12699	1.25682	1
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7	-10	-6	2.45546	1.72377	1
-7	-10	6	1.94858	0.57242	1
-7	-10	6	2.04659	0.51008	2
-7	-10	6	2.12360	1.21159	3
7	-10	-6	1.24487	1.33669	2
7	10	-6	1.41597	0.52140	2
-7	10	6	1.96946	0.80167	3
-7	-10	7	10.9100	0.9772	1
-7	-10	7	14.6226	1.8221	3
7	-10	-7	13.9798	1.0741	2
7	-10	-7	13.2812	1.0794	1
-7	10	7	11.6904	1.1471	3
7	10	-7	11.1027	1.0067	2
-7	-10	8	5.02427	0.70148	1
7	-10	-8	5.00280	0.80742	2
-7	-10	8	5.56652	1.62464	3
7	-10	-8	4.47901	1.11763	1
-7	10	8	4.93570	0.88729	3

7	10	-8	5.33172	0.63512	2
7	-10	-9	10.6705	1.1900	1
-7	-10	9	11.7855	0.9972	1
-7	-10	9	10.1180	1.0044	3
-7	10	9	10.5528	2.1784	3
7	10	-9	9.62206	0.81664	2
7	-10	-10	17.4800	2.7789	1
-7	-10	10	16.2587	1.2025	3
-7	-10	10	16.1289	1.2189	1
-7	10	10	15.5629	1.5032	3
7	-10	-11	9.06603	1.12155	1
-7	-10	11	8.75992	2.28400	3
-7	-10	11	8.73687	0.99401	1
-7	10	11	7.66192	1.87311	3
-7	-10	12	1.10789	0.79043	1
7	-10	-12	1.86483	0.93525	1
-7	-10	12	0.17746	1.09829	3
-7	10	12	1.01031	0.78932	3
7	-10	-13	-0.9425	0.9667	1
-7	-10	13	-0.5898	0.8384	1
-7	-10	13	0.09409	0.67703	3
-7	10	13	0.56121	0.77382	3
-7	-10	14	0.61125	2.11357	1
7	-10	-14	2.14792	1.03989	1
-7	-10	15	20.0419	1.4973	1
7	-10	-15	18.7126	1.6708	1
7	-11	15	1.96194	0.94330	1
7	-11	14	3.93944	1.81722	1
-7	-11	-14	4.96073	1.35651	1
7	-11	13	4.58798	0.94962	1
-7	-11	-13	6.35670	1.68772	1
-7	-11	-12	6.45032	1.49743	1
7	-11	12	5.88122	0.90260	1
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7	-11	10	58.3916	2.8613	1
-7	-11	-10	59.9501	2.8448	1
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-7	-11	-9	16.4605	2.1309	1
7	-11	9	16.6502	1.5604	1
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-7	-11	-8	9.01811	0.87963	1
7	11	8	11.8643	1.2376	3
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-7	-11	-7	6.75102	1.15977	1
7	11	7	6.58675	1.54421	3
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-7	-11	-4	85.1166	3.8697	1
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-7	-11	-2	63.7776	3.2590	1
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7	-11	2	61.4159	3.1838	3
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-7	-11	-1	3.70089	0.74361	3
-7	-11	-1	2.46280	0.75681	2
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-7	-11	0	75.4649	3.9684	3
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-7	-11	1	3.32997	0.55879	1
-7	-11	1	2.87337	0.80663	2
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-7	-11	2	63.2043	4.0870	3

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-7	-11	5	5.29182	0.65069	1
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-7	11	6	141.441	7.705	3
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-7	-11	8	10.9478	1.0346	3
-7	-11	8	12.4308	1.0210	1

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-7	-11	9	17.0326	1.2520	1
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-7	-11	11	15.8099	1.3374	3
-7	11	11	16.5395	1.3491	3
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7	-12	-1	338.635	15.970	2
7	-12	-1	353.288	17.481	3
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-7	12	11	2.45137	0.87866	3
-7	-12	12	7.03829	2.30841	3
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-7	-13	-11	-0.3610	0.8131	1
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7	13	7	2.11028	1.16388	3
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-7	-13	-6	10.5367	1.0076	1
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7	13	6	10.2543	1.3884	3
-7	-13	-5	28.1749	1.5627	1
7	-13	5	29.5077	1.6150	1
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-7	-13	-4	13.9236	1.3411	2
7	-13	4	17.1026	1.1841	1
-7	13	-4	17.7659	1.1384	2
7	13	4	15.7770	1.3342	3
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-7	-13	-3	1.95624	0.62249	1
7	-13	3	3.31440	0.70893	1
-7	-13	-3	1.52758	0.81319	2
-7	13	-3	2.80185	0.52614	2
7	13	3	2.24195	0.82385	3
-7	-13	-2	17.5865	1.3087	1
7	-13	2	16.7868	1.2247	1
-7	-13	-2	18.7054	1.4688	2
7	-13	2	17.1896	1.2657	3
7	-13	2	18.0094	1.7352	2
7	13	2	17.3991	1.3919	3
-7	13	-2	17.4972	1.1330	2
-7	-13	-1	8.86165	1.27877	1
7	-13	1	7.55770	0.91486	3
7	-13	1	7.03546	0.85203	1
7	-13	1	10.3461	0.8920	2
-7	-13	-1	3.80393	0.96869	2
7	13	1	8.61991	0.63001	2
7	13	1	7.75555	0.99776	3
-7	13	-1	8.40607	0.86618	2
-7	-13	0	2.17281	0.86152	2
7	-13	0	2.13254	0.66624	2
7	-13	0	1.84457	1.38324	1
7	-13	0	1.66100	0.76700	3
-7	-13	0	1.92280	0.61092	1
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-7	-13	1	9.59304	0.89850	1
-7	-13	1	7.01023	0.96398	3
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-7	13	1	6.64649	1.21926	3
-7	13	1	7.99613	0.81851	2
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-7	-13	2	17.0949	1.3426	3
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-7	13	2	15.1669	2.2133	3
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-7	-13	3	2.88208	0.81115	1
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-7	13	3	3.04444	1.83141	3
7	13	-3	2.62154	0.54596	2
7	13	-3	2.34494	0.87591	3
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-7	-13	4	15.4655	1.3178	3
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7	-13	-4	16.1633	1.4426	2
-7	-13	4	16.3813	1.1395	1
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7	13	-4	17.6224	1.1676	2
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-7	-13	5	27.7096	1.7509	3
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-7	-13	5	27.8979	1.7140	2
-7	-13	5	26.2047	1.9659	1
-7	13	5	28.2039	1.4719	2
-7	13	5	23.7485	3.0210	3
7	13	-5	28.2290	1.6047	2
7	-13	-6	9.16217	1.83672	2
-7	-13	6	9.73848	0.91042	1
-7	-13	6	9.55103	1.00424	3
-7	-13	6	8.52938	0.73720	2
7	-13	-6	9.24002	1.28894	1
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-7	13	6	9.27658	1.85484	3
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-7	-13	7	1.67851	0.90781	1
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-7	-13	8	3.17701	0.79343	3
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7	-13	-8	1.67407	0.91118	1
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-7	-13	9	16.5240	1.2520	3
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-7	13	11	0.24212	0.85718	3
-7	-13	12	3.30403	1.62437	1
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-7	-14	-10	8.15615	2.05220	1
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-7	-14	-2	2.37041	0.66302	1
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7	-15	-7	4.62674	1.66490	1
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-7	-15	7	1.95942	0.79544	1
-7	15	7	3.61118	1.00835	3
7	15	-7	3.44997	0.88560	2
7	-15	-8	7.26932	1.34816	2
7	-15	-8	7.68745	1.89402	1
-7	-15	8	7.23972	0.96004	1
-7	-15	8	7.56408	1.97298	3
-7	15	8	6.61059	1.09636	3
7	15	-8	6.42301	0.79370	2
7	-15	-9	12.6397	1.3236	2
-7	-15	9	10.0462	1.0665	1
-7	-15	9	9.46482	1.93697	3
7	-15	-9	10.2694	1.2260	1
7	15	-9	8.73755	0.92077	2
-7	15	9	11.2436	1.2249	3
7	-15	-10	8.23330	1.21808	1
-7	-15	10	6.58441	1.78656	3
7	-15	-10	7.44340	1.39282	2
-7	-15	10	7.46453	1.38206	1
-7	15	10	5.71073	1.10481	3
7	15	-10	5.66050	0.83731	2
7	-15	-11	22.0919	1.6255	1
-7	-15	11	19.7617	2.6554	1
7	15	-11	17.9077	2.8802	2
-7	-15	12	1.78556	0.96693	1
7	-15	-12	2.92026	1.12864	1
7	-15	-13	1.62537	1.11379	1
-7	-15	13	2.47403	2.22297	1
7	-16	12	4.27701	1.00545	1
7	-16	11	6.02935	1.04593	1
7	-16	10	51.7177	3.5290	1
7	16	10	59.2145	3.5032	3
-7	-16	-9	23.3988	1.5735	1
7	-16	9	22.0844	1.5126	3
7	-16	9	21.1089	1.7353	1

7	16	9	25.8129	2.6122	3
7	-16	8	12.9719	1.1993	3
7	-16	8	14.1142	1.9609	1
-7	-16	-8	14.6977	1.2794	1
7	16	8	15.8915	1.8805	3
7	-16	7	2.49976	1.58095	3
-7	-16	-7	3.33320	0.98842	1
7	-16	7	2.00596	0.80475	1
7	16	7	2.82355	1.52199	3
7	-16	6	57.8036	4.0106	3
-7	-16	-6	59.6122	2.8946	1
7	-16	6	55.0343	3.7213	1
-7	16	-6	58.0627	4.3200	2
7	16	6	62.7304	3.2500	3
-7	-16	-5	12.1874	1.0538	1
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7	-16	5	11.1415	1.1693	3
7	16	5	13.1264	1.2702	3
-7	16	-5	10.2464	1.0548	2
-7	-16	-4	53.7090	2.7572	2
-7	-16	-4	49.4186	2.4823	1
7	-16	4	44.6700	2.6734	3
7	-16	4	46.1581	2.4549	1
7	16	4	48.8816	2.7564	3
-7	16	-4	49.0426	2.4968	2
-7	-16	-3	1.71849	0.99521	1
7	-16	3	1.05115	0.99070	3
-7	-16	-3	1.70046	0.94844	2
7	-16	3	0.88385	0.78075	1
7	16	3	0.66053	1.06894	3
-7	16	-3	1.82999	0.58988	2
7	-16	2	73.3540	3.9486	3
-7	-16	-2	76.9882	3.8861	2
-7	-16	-2	72.1345	3.4673	1
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7	-16	2	74.6849	3.6104	2
-7	16	-2	76.9851	3.6680	2
7	16	2	75.7643	4.7666	3
7	-16	1	20.1989	1.3647	2
7	-16	1	20.6777	1.5191	3
-7	-16	-1	19.8616	1.3315	1
-7	-16	-1	20.6648	1.6916	2
7	-16	1	21.1107	1.4572	1
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7	16	1	24.9056	3.1430	3
-7	16	-1	19.0064	1.3247	2
-7	-16	0	0.39052	0.70728	1
-7	-16	0	-0.0094	1.5506	2
7	-16	0	0.29458	0.82085	1
7	-16	0	0.85287	0.84191	3
7	-16	0	2.20510	0.80717	2
7	16	0	1.17961	0.44737	2
7	16	0	0.35092	1.50677	3
-7	16	0	0.75884	0.59532	2

-7	-16	1	20.5447	1.6584	2
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7	-16	-1	23.8980	2.1086	1
7	-16	-1	21.8887	1.5733	3
-7	-16	1	20.8292	1.3699	1
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7	16	-1	19.9515	1.2346	2
-7	16	1	20.2288	1.3547	2
7	-16	-2	73.0232	3.8463	2
-7	-16	2	76.9770	3.5601	1
-7	-16	2	75.4968	3.8867	2
7	-16	-2	77.9128	3.6503	1
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7	16	-2	78.0254	4.0652	3
-7	-16	3	1.71434	1.43125	2
7	-16	-3	-0.0189	0.8263	2
-7	-16	3	0.54684	1.79408	3
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-7	-16	3	1.33423	0.87457	2
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7	16	-3	0.86562	1.42004	2
-7	16	3	0.49606	0.96469	3
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-7	-16	4	49.9089	2.4309	1
-7	-16	4	46.2409	2.6860	2
-7	-16	4	48.7692	2.7392	3
7	-16	-4	47.0130	3.7187	1
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-7	16	4	48.8740	2.8005	3
-7	16	4	46.2648	2.4151	2
7	-16	-5	10.3564	1.2044	1
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7	-16	-5	11.7915	1.1972	2
-7	-16	5	11.6952	1.0138	2
-7	-16	5	11.0825	1.1550	1
-7	16	5	11.0922	0.8535	2
-7	16	5	10.6131	1.2731	3
7	16	-5	11.6488	1.0644	2
7	-16	-6	57.8676	3.0136	1
-7	-16	6	58.7301	4.2726	3
7	-16	-6	61.9469	3.2809	2
-7	-16	6	59.6748	2.9274	1
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7	16	-6	60.5358	3.0425	2
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-7	-16	7	1.96966	0.94111	3
7	-16	-7	2.66142	0.97700	1
-7	-16	7	2.10012	1.08302	1
7	16	-7	2.18981	0.69258	2
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7	-16	-8	16.2008	2.6569	1
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7	-16	-9	23.8606	2.0675	1
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7	16	-9	22.3266	1.8908	2
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-7	-16	10	52.4304	3.0715	1
-7	-16	10	53.3685	3.0856	3
7	-16	-10	54.8042	4.5671	1
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-7	-16	11	4.89064	1.05787	1
7	-16	-11	6.45397	1.48907	1
7	16	-11	5.28911	0.91258	2
-7	-16	12	7.52447	1.13987	1
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7	16	-12	5.61003	0.97046	2
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7	-17	9	2.29602	1.49038	1
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-7	-17	-8	1.92952	0.96053	1
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-7	-17	-7	4.80166	0.94497	1
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-7	-17	-6	41.0920	2.0857	1
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7	17	6	39.8962	2.3354	3
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7	-17	5	37.4743	2.0652	1
-7	-17	-5	36.8927	2.3499	2
-7	-17	-5	36.2480	2.4425	1
-7	17	-5	40.3075	2.6616	2
7	17	5	36.5125	2.2910	3
-7	-17	-4	10.1631	1.2936	2
7	-17	4	12.6779	1.2073	1
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-7	-17	-3	0.48627	0.75230	1
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-7	-17	-3	0.87553	1.17633	2

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-7	-17	-2	13.8191	1.4081	2
-7	-17	-2	17.1789	2.0242	1
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7	-17	2	14.6523	1.3835	3
-7	17	-2	17.1969	1.2076	2
7	17	2	16.5468	2.1561	3
7	-17	1	15.1919	1.5205	3
-7	-17	-1	14.9360	1.1711	1
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-7	-17	-1	13.1571	1.4568	2
7	17	1	12.2231	2.3512	3
-7	17	-1	13.6062	1.1236	2
7	17	1	13.3734	0.9650	2
-7	-17	0	44.0736	2.6653	2
7	-17	0	46.6723	3.1368	2
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7	17	0	47.5503	2.2865	2
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7	-17	-1	14.3751	1.3466	1
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7	-17	-2	19.8683	1.5119	2
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-7	-17	2	14.8829	1.2990	1
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7	17	-2	16.9727	1.3586	2
7	17	-2	15.9920	1.5999	3
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-7	17	4	14.8059	1.4413	3
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7	17	-7	3.21905	0.76364	2
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-7	-17	9	1.64390	0.94510	3
-7	17	9	1.61666	1.05746	3
7	17	-9	2.02771	0.78354	2
-7	-17	10	17.1829	1.4346	1
7	-17	-10	15.1190	1.4681	1
7	-17	-10	21.5967	1.8820	2
7	17	-10	14.4288	2.1916	2
-7	-17	11	10.6667	1.2433	1
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7	17	-11	12.8869	1.3281	2
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-7	-18	-7	6.83124	1.04952	1
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7	18	7	5.99141	1.37959	3
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-7	-18	-5	4.75234	1.13492	1
-7	-18	-5	4.71425	1.15118	2
7	-18	5	5.53227	0.98033	1
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7	18	5	4.07072	1.05656	3
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-7	-18	-3	47.1744	3.6233	2
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-7	-18	-1	5.74955	1.11001	2
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-7	-18	0	45.9750	2.6353	2
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7	18	-1	6.37490	1.15858	3
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7	-18	-3	47.1976	2.7173	2
-7	-18	3	49.0043	2.7413	2
7	-18	-3	49.4239	2.6058	1
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7	18	-3	48.3834	2.4829	2
7	-18	-4	5.51012	1.04142	2
7	-18	-4	4.53619	1.08908	1
-7	-18	4	3.51901	0.86592	1
-7	-18	4	4.84746	0.89423	2
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7	18	-4	3.94528	1.39990	2
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-7	-18	5	4.52717	0.82984	2
7	-18	-5	4.50031	1.17629	1
-7	-18	5	5.53925	1.65016	1
7	-18	-5	4.05333	1.05715	2
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-7	18	5	3.14703	1.10132	3
7	-18	-6	1.40534	0.97142	2
7	-18	-6	1.23432	1.06171	1
-7	-18	6	2.78795	1.02646	1
-7	-18	6	1.59030	1.13350	3
-7	18	6	2.57084	1.09501	3
7	18	-6	0.91559	0.73792	2
-7	-18	7	6.30618	1.13008	3
7	-18	-7	4.19958	1.18347	1
-7	-18	7	8.11572	1.32040	1
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-7	-18	8	4.72164	7.88483	3
7	-18	-8	3.94080	1.10886	1
-7	-18	8	2.97729	1.76261	1
7	-18	-8	3.69994	1.10614	2
7	18	-8	3.86293	0.80991	2
-7	18	8	1.75446	1.12291	3
7	-18	-9	0.99197	1.06269	2
-7	-18	9	1.57880	0.94945	1
7	-18	-9	2.16192	1.10940	1
7	18	-9	0.40109	0.77716	2
-7	-18	10	2.42913	1.00670	1
7	-18	-10	3.51938	1.12065	2
7	-18	-10	2.67388	1.13659	1
7	18	-10	1.64894	0.81942	2
7	-18	-11	13.4243	2.8784	1
7	-18	-11	16.7728	1.6219	2
-7	-18	11	14.0553	1.4120	1
7	18	-11	16.0038	1.3248	2
7	-19	10	9.70382	1.18294	1
7	-19	9	3.72248	1.86707	1

7	-19	8	7.59148	1.69419	1
-7	-19	-7	1.24752	0.95896	1
7	-19	7	-0.2288	0.8823	1
-7	19	-7	-0.2015	0.6889	2
-7	-19	-6	73.8405	3.4422	1
7	-19	6	63.1480	3.9557	1
7	-19	6	66.1950	4.4282	3
-7	19	-6	72.8264	3.5754	2
7	19	6	75.6321	3.8998	3
7	-19	5	0.20138	1.18047	3
-7	-19	-5	0.44413	1.30836	2
-7	-19	-5	0.58621	0.89456	1
7	-19	5	-0.3504	0.8978	1
7	19	5	1.49860	1.01802	3
-7	19	-5	0.38370	0.69137	2
-7	-19	-4	53.4331	2.6898	1
7	-19	4	49.0664	2.6999	1
7	-19	4	50.5356	2.9573	3
-7	-19	-4	55.2630	3.0266	2
-7	19	-4	52.2829	2.7205	2
7	19	4	55.3670	3.0643	3
-7	-19	-3	4.59677	0.95461	1
7	-19	3	5.52314	1.06290	3
-7	-19	-3	3.06312	1.06544	2
7	-19	3	5.15202	0.98309	1
-7	19	-3	4.75738	0.80167	2
7	19	3	5.24507	1.12168	3
7	-19	2	30.5858	1.8242	1
7	-19	2	28.6122	2.2366	3
-7	-19	-2	27.6082	1.9917	2
-7	-19	-2	27.8765	1.6909	1
-7	19	-2	26.8145	1.6877	2
7	19	2	30.7167	2.1919	3
7	-19	1	1.15069	0.63915	2
-7	-19	-1	2.26189	1.02469	2
-7	-19	-1	1.57163	0.82874	1
7	-19	1	1.22530	0.99139	3
7	-19	1	0.43649	0.92893	1
-7	19	-1	1.82314	0.68662	2
7	19	1	2.19631	1.13914	3
7	-19	0	13.3288	1.3040	1
7	-19	0	14.0849	2.1873	2
-7	-19	0	13.4715	1.4005	2
-7	-19	0	16.4637	1.2452	1
-7	-19	0	15.5764	1.5925	2
-7	19	0	14.7192	1.1483	2
7	19	0	14.7878	1.4851	3
7	19	0	14.8784	0.9865	2
7	-19	-1	2.25723	0.88793	2
7	-19	-1	1.38028	0.98636	1
-7	-19	1	0.69169	0.78181	1
-7	-19	1	-0.2727	0.9838	2
-7	19	1	0.97641	0.60716	2
7	19	-1	1.88677	0.56022	2

-7	-19	2	28.8688	1.7600	1
7	-19	-2	28.9774	2.4780	1
-7	-19	2	28.3692	2.0248	2
7	-19	-2	27.9441	1.9396	2
7	19	-2	29.7240	1.6327	2
-7	19	2	28.9638	1.6917	2
-7	-19	3	4.89562	2.05045	1
7	-19	-3	4.27226	1.07709	1
-7	-19	3	3.78812	0.97387	2
7	-19	-3	5.25461	1.07753	2
-7	19	3	3.98231	0.65583	2
7	19	-3	3.92637	0.68312	2
7	-19	-4	54.5774	2.8589	1
-7	-19	4	55.1589	2.9131	2
-7	-19	4	51.7060	2.7028	1
7	-19	-4	57.0975	3.0511	2
-7	19	4	51.9143	3.1410	3
7	19	-4	51.7238	2.7326	2
-7	19	4	54.1380	2.6685	2
7	-19	-5	-0.3505	1.0575	1
7	-19	-5	0.69617	1.01387	2
-7	-19	5	0.32808	1.56606	1
-7	-19	5	0.09461	0.74018	2
7	19	-5	0.33876	1.58400	2
-7	19	5	-0.6026	1.0819	3
7	-19	-6	74.9594	3.8257	2
-7	-19	6	71.1616	3.6813	1
7	-19	-6	72.0837	4.4720	1
-7	-19	6	71.1832	3.9408	3
-7	19	6	70.1585	3.9357	3
7	19	-6	71.0822	3.5796	2
7	-19	-7	0.91001	1.10296	1
7	-19	-7	1.29415	1.04632	2
-7	-19	7	1.65758	1.02656	3
-7	-19	7	-0.4378	0.9832	1
-7	19	7	2.20179	1.16880	3
7	19	-7	0.58859	0.75804	2
7	-19	-8	9.27985	1.28097	2
-7	-19	8	10.2504	1.8658	1
7	-19	-8	7.54135	1.25484	1
7	19	-8	8.86882	0.99163	2
7	-19	-9	4.22197	1.20269	1
7	-19	-9	3.12217	1.15849	2
-7	-19	9	3.55290	1.03502	1
7	19	-9	3.15296	0.87190	2
-7	-19	10	9.30609	1.22299	1
7	-19	-10	9.93310	1.34794	1
7	-19	-10	10.8696	1.3788	2
7	19	-10	8.79556	1.04158	2
7	-20	8	0.63622	1.50773	1
7	-20	7	3.92875	1.03868	1
-7	20	-7	5.04163	0.92096	2
-7	-20	-6	1.04715	1.11469	2
7	-20	6	1.16179	1.95615	1

-7	20	-6	2.31525	0.76595	2
7	-20	5	68.2298	3.5283	1
-7	-20	-5	73.4436	3.6715	1
-7	-20	-5	74.2009	3.8710	2
-7	20	-5	71.8219	3.5960	2
7	-20	4	18.0649	1.5320	1
-7	-20	-4	19.3377	1.5232	1
-7	-20	-4	18.2292	1.7709	2
7	-20	4	24.5087	3.2628	3
-7	20	-4	18.1182	1.3753	2
7	20	4	20.0234	1.7449	3
-7	-20	-3	14.7208	1.5203	2
-7	-20	-3	16.7157	1.3907	1
7	-20	3	13.1704	1.3496	1
7	-20	3	12.9542	1.4359	3
7	20	3	15.7271	1.5743	3
-7	20	-3	13.9531	1.2076	2
7	-20	2	6.31008	1.18560	3
-7	-20	-2	7.03987	1.02539	1
-7	-20	-2	5.87162	1.22377	2
7	-20	2	3.81659	1.06544	1
-7	-20	-2	5.24827	1.17396	2
7	20	2	6.48018	1.23469	3
-7	20	-2	6.37513	0.85757	2
-7	-20	-1	18.2037	1.6768	2
7	-20	1	18.7700	1.5234	1
-7	-20	-1	18.4275	1.4130	1
-7	-20	-1	18.2656	1.7123	2
7	-20	1	16.9051	1.6567	2
7	20	1	17.0937	1.6821	3
-7	20	-1	16.1846	1.2603	2
-7	-20	0	2.01356	0.86923	1
7	-20	0	2.19228	1.93335	1
7	-20	0	1.54096	0.93666	2
-7	-20	0	1.23351	1.06031	2
-7	20	0	0.72406	0.64915	2
7	20	0	1.19438	1.07024	3
7	20	0	0.84196	0.51519	2
-7	-20	1	16.6604	1.3965	1
-7	-20	1	18.2529	1.6892	2
7	-20	-1	16.4615	1.5769	2
7	-20	-1	20.1514	1.5879	1
-7	20	1	17.1685	1.2564	2
7	20	-1	16.2853	1.1466	2
7	-20	-2	5.18583	1.99309	1
-7	-20	2	5.79069	0.98863	1
7	-20	-2	7.11847	1.13739	2
-7	-20	2	5.57621	1.10195	2
-7	20	2	5.96942	0.78672	2
7	20	-2	6.31094	0.75945	2
-7	-20	3	15.9990	1.8816	1
7	-20	-3	17.9600	1.5125	2
7	-20	-3	17.0754	1.9583	1
-7	-20	3	14.9891	1.3843	2

-7	20	3	15.5444	1.6062	2
7	20	-3	12.4882	1.1511	2
7	-20	-4	20.0965	1.7072	2
-7	-20	4	18.2741	1.4495	1
7	-20	-4	21.3368	3.2160	1
-7	-20	4	19.7428	1.6747	2
7	20	-4	20.2841	2.5345	2
-7	20	4	18.5041	1.2064	2
7	-20	-5	71.8153	3.6272	1
7	-20	-5	72.9804	3.8191	2
-7	-20	5	69.4999	4.2061	1
-7	-20	5	72.9226	3.9380	2
-7	20	5	73.8447	5.5588	3
7	20	-5	71.8657	3.6819	2
-7	-20	6	2.94594	1.27105	1
7	-20	-6	2.44228	1.12559	2
7	-20	-6	1.34740	1.16189	1
-7	20	6	3.90503	1.65957	3
7	20	-6	1.84355	1.94952	2
7	-20	-7	3.34221	2.31694	1
7	-20	-7	4.84191	1.21020	2
-7	-20	7	4.83300	1.08748	1
7	20	-7	4.60715	0.84270	2
7	-20	-8	2.30672	1.14757	2
-7	-20	8	3.00289	1.44495	1
7	-20	-8	1.60826	1.15666	1
7	20	-8	2.25989	0.82643	2
7	-21	7	1.04357	0.97644	1
-7	21	-7	0.45523	0.74365	2
7	-21	6	6.53006	2.45267	1
-7	-21	-6	5.14951	1.24694	2
-7	21	-6	6.28792	0.89256	2
7	-21	5	16.0311	1.4925	1
-7	-21	-5	18.5040	1.7483	2
-7	21	-5	17.0178	1.3422	2
-7	-21	-4	2.89262	1.11334	1
-7	-21	-4	1.41063	1.10944	2
7	-21	4	2.42784	1.05026	1
-7	-21	-4	3.12930	1.16912	2
-7	21	-4	2.47751	0.82529	2
-7	-21	-3	3.71092	1.16416	2
7	-21	3	0.86747	1.00695	1
7	-21	3	2.38991	1.10581	3
-7	-21	-3	2.04015	1.12147	2
-7	-21	-3	1.33091	0.96176	1
-7	21	-3	2.02562	0.75640	2
7	-21	2	4.42511	1.12432	1
-7	-21	-2	5.64633	2.05673	2
-7	-21	-2	1.98313	1.12467	2
-7	-21	-2	3.79264	1.00935	1
7	-21	2	3.82051	1.19165	3
7	21	2	4.68950	1.19856	3
-7	21	-2	4.92092	0.82076	2
-7	-21	-1	2.42168	1.12595	2

7	-21	1	3.69806	1.09866	1
-7	-21	-1	1.67539	0.93028	1
7	-21	1	1.30717	0.77929	2
-7	21	-1	2.71620	1.26916	2
7	21	1	1.72796	1.12533	3
-7	-21	0	1.75540	1.05004	2
7	-21	0	1.85010	0.81739	2
-7	-21	0	1.98646	0.92643	1
7	-21	0	0.19846	1.04332	1
-7	21	0	1.72975	0.70370	2
7	-21	-1	0.72820	1.83271	2
7	-21	-1	2.14298	1.08548	1
-7	-21	1	2.72994	1.04319	2
-7	-21	1	3.47854	0.95732	1
-7	21	1	1.35754	0.69766	2
7	21	-1	2.04237	0.57149	2
-7	-21	2	2.53695	1.03431	2
7	-21	-2	4.04205	1.19756	1
-7	-21	2	5.74895	0.98962	1
7	-21	-2	4.62966	1.10906	2
7	21	-2	3.62637	0.71631	2
-7	21	2	4.35204	0.74099	2
7	-21	-3	2.23442	1.10070	2
7	-21	-3	2.61135	1.17210	1
-7	-21	3	2.03911	1.57174	1
-7	-21	3	1.78171	0.99255	2
7	21	-3	2.74340	0.72403	2
-7	21	3	2.84092	1.04934	2
-7	-21	4	3.29793	0.95988	1
7	-21	-4	1.03014	1.12323	1
-7	-21	4	1.28939	0.91573	2
7	-21	-4	4.71915	1.15809	2
7	21	-4	2.53265	0.73923	2
-7	-21	5	17.4606	1.7280	1
7	-21	-5	16.5635	1.6615	1
-7	-21	5	18.3346	1.5468	2
7	-21	-5	20.3941	1.7169	2
7	21	-5	18.4088	1.3371	2
7	-21	-6	7.57814	1.27843	2
7	-21	-6	6.24031	1.26843	1
-7	-21	6	5.66774	1.25299	1
7	21	-6	5.20992	1.45866	2
7	-21	-7	-0.9706	1.1543	1
-7	-21	7	-0.8666	1.0185	1
7	-21	-7	0.00731	1.12302	2
7	21	-7	-0.7945	1.8360	2
7	-22	5	13.5932	1.4140	1
-7	-22	-5	16.6635	1.6015	2
-7	-22	-5	16.3470	1.6742	2
-7	22	-5	13.8183	1.2804	2
-7	-22	-4	1.47951	1.13656	2
-7	-22	-4	2.42276	1.96466	2
7	-22	4	2.03820	1.06369	1
-7	22	-4	1.56099	0.79444	2

-7	-22	-3	5.94590	1.29161	2
7	-22	3	5.56890	1.18989	1
-7	-22	-3	7.02914	1.15804	1
-7	22	-3	6.49062	0.92019	2
-7	-22	-2	1.24194	1.09617	2
7	-22	2	0.93594	1.00979	1
-7	-22	-2	0.71027	0.97477	1
-7	22	-2	0.07898	0.73787	2
-7	-22	-1	4.82486	1.01295	1
-7	-22	-1	3.79865	1.16742	2
7	-22	1	5.18142	1.13652	1
7	22	1	5.30277	1.27136	3
-7	22	-1	3.50662	0.80023	2
7	-22	0	2.24203	1.10153	1
-7	-22	0	2.01973	0.93922	1
7	-22	0	2.02696	0.84635	2
-7	-22	0	2.54884	1.08328	2
-7	22	0	0.90615	0.71614	2
-7	-22	1	4.27851	1.08850	2
7	-22	-1	4.61570	2.15628	2
-7	-22	1	4.54177	1.02918	1
7	-22	-1	2.85148	1.78360	1
7	22	-1	4.43041	0.64200	2
-7	22	1	4.21057	0.78564	2
-7	-22	2	0.71660	1.05802	1
7	-22	-2	-1.1465	1.0956	1
7	-22	-2	0.91169	1.03140	2
-7	-22	2	0.66007	1.00364	2
-7	22	2	0.80260	0.67295	2
7	22	-2	0.56821	0.64028	2
-7	-22	3	7.70492	2.81775	1
7	-22	-3	7.09658	1.23832	2
7	-22	-3	6.52848	1.96128	1
-7	-22	3	7.22372	1.12408	2
-7	22	3	5.75925	0.76264	2
7	22	-3	7.05108	0.86009	2
7	-22	-4	1.84476	1.13334	2
-7	-22	4	2.10102	1.05155	2
7	-22	-4	2.27736	2.35068	1
-7	-22	4	0.75382	0.93162	1
7	22	-4	2.08764	0.72910	2
-7	-22	5	15.3107	1.4050	1
7	-22	-5	16.0088	1.5672	1
7	-22	-5	17.0691	1.5821	2
7	22	-5	11.7197	1.1602	2
-7	23	-2	3.91797	0.99714	2
7	-23	1	0.79284	1.08796	1
-7	-23	-1	-0.3493	1.0464	2
-7	-23	-1	-0.0826	1.0004	1
-7	23	-1	0.21371	0.74669	2
-7	-23	0	8.88206	1.26773	2
7	-23	0	8.58609	1.33490	1
7	-23	0	9.49886	1.12855	2
-7	-23	0	9.01192	1.18817	1

-7	23	0	9.39540	0.96557	2
7	-23	-1	-0.9364	1.0926	1
7	-23	-1	1.13778	0.93982	2
-7	-23	1	0.71665	0.98815	1
-7	-23	1	1.10840	1.04304	2
-7	23	1	0.28248	0.71283	2
7	23	-2	4.15063	0.70871	2
8	0	17	-0.0118	0.9182	1
8	0	16	146.142	6.571	1
8	0	15	-0.3106	0.8060	1
8	0	14	102.070	4.653	1
8	0	13	-0.2949	0.6696	1
8	0	12	794.091	34.207	1
8	0	11	-0.3656	0.6985	1
8	0	10	97.0262	4.3289	1
8	0	9	-0.4907	0.4558	1
8	0	8	848.319	36.418	1
8	0	7	0.18787	0.55343	1
8	0	6	9.96991	1.39403	1
8	0	5	-0.1160	0.3255	1
8	0	4	7.83978	0.52831	3
8	0	3	-0.3460	0.3855	3
8	0	3	-0.7246	0.2923	3
-8	0	-3	-0.4478	0.4747	3
8	0	2	38.1764	2.1599	3
-8	0	-2	40.2425	2.1658	3
8	0	2	39.1547	2.0502	3
8	0	1	-0.1167	0.1670	3
-8	0	-1	0.27079	0.33970	3
8	0	1	-0.3793	0.3212	3
8	0	0	1448.65	66.96	3
-8	0	0	1425.48	67.19	3
8	0	0	1333.50	64.45	2
8	0	-1	-0.2157	0.3794	2
-8	0	1	0.07654	0.36212	3
8	0	-1	-0.5636	0.3675	3
-8	0	2	38.4965	1.9406	2
8	0	-2	37.3000	1.9747	2
-8	0	2	39.2284	2.0350	3
-8	0	3	-1.1946	0.6739	2
-8	0	3	-0.7327	0.4055	3
-8	0	3	-0.7922	0.2887	1
8	0	-3	-0.4515	0.3578	2
-8	0	4	7.21937	0.72696	2
-8	0	4	6.92167	0.69923	3
8	0	-4	8.16816	0.67220	2
-8	0	4	6.80326	0.59612	1
-8	0	5	0.23400	0.40807	2
-8	0	5	0.79107	0.38576	1
-8	0	5	-0.3802	1.0031	3
-8	0	5	-0.8513	0.7061	3
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-8	0	6	9.76138	0.71601	2

-8	0	6	8.02061	0.79806	3
-8	0	6	8.74463	1.43509	3
8	0	-6	9.41454	1.55660	2
-8	0	7	-0.0690	0.4756	1
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-8	0	7	-0.5615	0.4821	3
-8	0	8	855.580	36.101	1
-8	0	8	844.008	40.172	3
8	0	-8	821.066	38.625	2
-8	0	9	-0.3303	0.5945	1
-8	0	9	-0.9436	1.4297	3
-8	0	10	97.4020	5.3295	3
-8	0	10	98.6645	4.4458	1
-8	0	11	-0.7694	0.5944	3
-8	0	11	-0.0913	0.7013	1
-8	0	12	813.238	38.943	3
-8	0	12	806.033	34.861	1
-8	0	13	1.22920	0.78852	1
-8	0	13	0.51030	1.55248	3
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-8	0	14	98.9483	4.5174	1
-8	0	15	-0.7840	0.8733	1
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8	1	16	12.0605	1.2252	1
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8	1	15	5.49185	0.91944	1
8	-1	14	41.3997	2.1503	1
8	1	14	40.8651	2.1650	1
8	-1	13	2.41951	0.79584	1
8	1	13	3.91869	0.75693	1
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8	1	12	31.4909	1.8698	1
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8	1	11	24.1258	1.3484	1
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8	1	8	2.69606	0.50442	1
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8	1	7	81.6318	3.3794	1
8	-1	5	1.23540	0.32666	1
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-8	-1	3	25.1866	1.9187	2
-8	-1	3	21.6600	0.9624	1
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-8	-1	5	0.31455	0.69474	3
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-8	1	5	1.03118	0.92813	3
-8	-1	6	33.4931	1.5541	2
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8	1	-8	1.76421	1.31005	2
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-8	-2	9	0.09823	0.61752	1
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-8	2	11	35.4649	2.5182	3
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-8	2	12	3.33354	1.12711	3
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8	-3	-6	2.95582	0.55931	3
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8	3	-6	2.64075	0.91933	2
8	3	-6	3.47052	2.11162	3
-8	3	6	3.30669	0.57703	3
8	-3	-7	86.6752	3.8175	2
8	-3	-7	61.9311	3.4680	1
-8	-3	7	81.3255	3.4488	1
-8	-3	7	82.5093	3.9239	3
-8	3	7	76.6196	4.3860	3
8	3	-7	77.5394	7.4353	3
8	3	-7	69.9323	3.9934	2
-8	-3	8	67.0078	3.3022	3
8	-3	-8	68.4186	3.2068	2
8	-3	-8	64.7015	3.0413	1
-8	-3	8	62.9280	3.3508	1
-8	3	8	65.5930	3.5568	3
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8	3	-8	56.7417	3.2613	2
-8	-3	9	13.0566	1.1815	1
8	-3	-9	12.3982	1.0963	1
-8	-3	9	12.2146	0.9568	3
-8	3	9	11.8560	1.0733	1
8	3	-9	8.91933	0.94836	2
-8	3	9	8.78935	2.23174	3
-8	-3	10	2.85445	0.63733	3
-8	-3	10	3.56655	0.67789	1
8	-3	-10	2.44101	0.73382	1
-8	3	10	2.40669	0.73633	1
-8	3	10	3.71041	0.78658	3
8	-3	-11	2.18924	0.79166	1
-8	-3	11	1.72956	0.63707	3
-8	-3	11	1.75280	1.20929	1
-8	3	11	3.22637	0.79023	1
-8	3	11	2.80495	1.04795	3
-8	-3	12	25.5531	1.9716	1
-8	-3	12	25.9992	1.7196	3

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-8	3	12	23.2479	1.9521	3
8	-3	-13	3.65765	0.89205	1
-8	-3	13	3.02564	1.14715	3
-8	-3	13	3.04932	0.79660	1
-8	3	13	4.32205	0.92174	1
-8	3	13	3.62483	1.31719	3
-8	-3	14	7.32604	0.92046	1
8	-3	-14	5.31721	0.96280	1
-8	-3	14	5.79295	1.45618	3
-8	3	14	5.87054	0.93068	3
-8	3	14	3.49178	0.98329	1
-8	-3	15	10.5880	3.5535	3
-8	-3	15	9.21358	1.10341	1
8	-3	-15	11.6231	1.2247	1
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8	-3	-16	10.2876	1.2682	1
-8	-3	16	6.70285	1.08635	1
-8	-3	17	7.19510	1.14309	1
8	-3	-17	7.19801	2.50620	1
-8	-4	-17	4.40175	2.21903	1
8	-4	17	5.21422	1.39144	1
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-8	-4	-16	-0.5270	0.9893	1
8	-4	15	6.05156	1.01118	1
-8	-4	-15	4.54136	0.97531	1
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-8	-4	-14	0.56707	0.81059	1
8	-4	14	0.08055	0.73460	1
8	4	14	-0.4161	0.8029	1
-8	-4	-13	26.4764	1.7705	1
8	-4	13	25.2067	2.0586	1
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8	-4	12	8.86294	1.08120	1
8	4	12	7.08105	0.89633	1
8	-4	11	8.08772	0.85868	1
8	4	11	6.12383	0.93625	1
8	-4	10	0.66293	0.60111	1
8	4	10	0.33939	0.71966	1
8	-4	9	53.7160	2.4771	1
-8	-4	-9	51.5608	2.5857	1
8	4	9	52.7283	2.4721	1
8	-4	8	7.31752	0.79537	1
-8	-4	-8	5.72352	0.61265	1
8	4	8	6.75973	0.66128	1
8	-4	7	317.002	13.593	1
-8	-4	-7	313.178	13.577	1
8	-4	6	13.1151	0.9286	1
-8	-4	-6	12.2803	1.1229	1
-8	-4	-5	504.049	21.706	1
8	-4	5	480.571	24.161	3
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8	-4	5	523.925	24.157	3
-8	-4	-4	16.7208	1.0593	3
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8	-4	4	15.8996	0.8885	3
8	4	4	13.5713	0.9395	3
-8	4	-4	15.1258	1.0273	3
8	4	4	13.6290	1.2034	3
-8	-4	-3	2561.28	121.45	3
8	-4	3	2515.02	121.44	3
8	-4	3	2441.09	121.45	3
8	-4	3	2567.66	109.03	1
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8	4	3	2510.15	121.44	3
8	4	3	2543.98	121.44	3
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-8	-4	-2	3.18621	0.45014	3
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8	4	2	3.72106	0.54615	3
8	-4	1	3625.14	171.21	1
8	-4	1	4004.36	190.53	3
-8	-4	-1	3940.88	190.72	3
8	4	1	4080.01	191.10	3
-8	4	-1	4327.54	191.12	3
8	-4	0	0.37261	0.57102	3
-8	-4	0	0.14865	0.75334	3
8	-4	0	0.95262	0.43471	3
8	-4	0	-0.2482	0.3445	1
8	-4	0	-0.0041	0.2253	2
8	4	0	0.28868	0.37403	3
8	4	0	0.57779	0.46801	3
8	4	0	0.42493	0.21197	2
-8	4	0	-0.2531	0.4055	3
-8	-4	1	3849.17	191.51	3
8	-4	-1	4213.46	191.23	3
8	-4	-1	3644.67	171.89	1
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8	4	-1	4094.82	184.23	2
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8	-4	-2	3.69681	1.10134	2
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8	-4	-2	3.93550	0.54514	3
-8	4	2	3.57963	0.56335	3
-8	4	2	3.54317	0.49948	2
8	4	-2	3.31211	0.38385	2

8	4	-2	3.42839	1.38275	3
8	-4	-3	2523.67	111.40	1
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8	-4	-3	2567.59	118.95	2
-8	-4	3	2505.26	118.78	2
8	-4	-3	2633.68	123.46	3
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-8	4	3	2598.66	123.47	3
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8	-4	-4	14.7689	1.3290	1
-8	-4	4	11.7253	1.0056	2
8	-4	-4	14.8289	1.2952	3
8	-4	-4	12.7875	0.9208	2
-8	-4	4	12.8164	0.7814	1
-8	-4	4	12.9617	0.9350	3
8	4	-4	16.5099	1.5710	3
8	4	-4	14.3918	1.0783	2
-8	4	4	18.5973	2.0131	3
-8	4	4	13.9510	0.8771	2
-8	-4	5	527.972	24.700	3
8	-4	-5	496.351	21.729	1
8	-4	-5	533.261	24.232	3
-8	-4	5	451.524	23.269	2
8	-4	-5	495.280	23.615	2
-8	-4	5	503.013	21.700	1
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8	4	-5	526.277	24.214	3
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8	-4	-6	14.1029	1.5927	3
8	-4	-6	14.4626	1.3406	1
-8	-4	6	11.5100	0.8222	1
-8	-4	6	11.7303	0.9022	2
-8	-4	6	14.4693	1.6839	3
-8	4	6	13.7462	1.1685	3
-8	4	6	13.1101	0.8347	2
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-8	-4	7	303.870	14.169	1
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8	4	-7	314.773	14.274	2
-8	4	7	315.260	15.520	3
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-8	-4	8	6.31571	1.31054	3

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-8	-4	9	50.2261	2.6259	3
-8	-4	9	48.5503	2.3848	1
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8	4	-9	54.6940	3.0386	2
-8	4	9	49.5336	3.2206	3
-8	-4	10	-0.7060	0.5730	3
-8	-4	10	1.26329	1.21594	1
8	-4	-10	0.59450	1.65950	1
-8	4	10	0.07687	0.88916	3
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-8	-4	11	5.82094	0.77680	3
-8	-4	11	5.94406	0.88679	1
-8	4	11	7.42973	1.33678	3
8	-4	-12	7.54771	1.31210	1
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-8	-4	12	7.54624	0.93067	3
-8	4	12	6.94206	1.30775	3
-8	-4	13	24.2150	2.3493	3
-8	-4	13	22.5949	1.7070	1
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-8	-4	15	5.70289	0.99311	1
-8	4	15	4.80885	0.98847	3
-8	-4	16	0.95088	0.88993	1
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8	-5	15	16.3739	1.3528	1
-8	-5	-15	18.6955	3.0014	1
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-8	-5	-11	5.17788	1.37891	1
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-8	-5	-3	92.1815	4.6339	3
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8	-5	0	79.3793	3.7969	3
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-8	-5	4	12.0301	1.0263	2
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-8	-5	4	10.5477	0.8394	3
-8	5	4	5.52294	3.15480	3
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-8	5	4	12.3202	0.7544	2
-8	-5	5	0.91332	0.77708	1
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8	-5	-13	4.94493	1.80917	1
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-8	-5	14	3.27417	0.98550	3
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-8	-5	15	13.3376	1.1870	3
-8	-5	15	14.2066	1.8882	1
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8	-5	-16	12.3331	1.9054	1
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8	-5	-17	9.08693	1.35617	1
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-8	-6	-14	1.73187	1.30776	1
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8	-6	13	5.33306	0.91652	1
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8	-6	12	3.98741	0.81939	1
-8	-6	-12	3.46671	1.19690	1
-8	-6	-11	3.21044	0.88236	1
8	-6	11	3.76471	1.29692	1
-8	-6	-10	14.2510	1.0794	1
8	-6	10	13.5475	1.0724	1
-8	-6	-9	0.00382	0.75442	1
8	-6	9	0.89764	0.97109	1
8	-6	8	27.3920	1.4209	1
-8	-6	-8	24.9196	1.4479	1
-8	-6	-7	74.8998	4.0447	1
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-8	-6	-6	27.9761	1.4033	1
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8	-6	6	27.9844	1.5946	1
8	-6	6	27.5149	1.5203	3
-8	-6	-5	1.93911	0.51104	1

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8	6	5	1.78684	0.71731	3
-8	6	-5	2.40231	0.70134	3
8	6	5	3.80881	0.59818	3
-8	-6	-4	6.24829	0.61342	3
8	-6	4	6.22864	0.61732	3
8	-6	4	7.55854	0.60448	3
-8	-6	-4	6.16969	0.48061	1
8	-6	4	6.30535	0.53091	1
-8	6	-4	6.99441	0.82293	3
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-8	-6	-3	28.0255	1.5622	3
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-8	6	-3	28.8144	2.1378	3
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-8	-6	-2	6.87084	1.09178	3
-8	6	-2	8.69925	0.76510	3
8	6	2	7.01804	0.61231	3
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8	-6	1	57.3446	2.7362	3
8	-6	1	53.6948	3.2131	3
8	-6	1	53.8745	2.5261	2
8	-6	1	50.8492	2.7144	1
-8	-6	-1	52.2420	2.7283	3
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-8	6	-1	58.7012	3.0266	3
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8	-6	0	0.34208	0.91557	3
-8	-6	0	-0.1356	0.3753	2
8	-6	0	-0.3378	0.4037	3
8	-6	0	-0.1871	0.4095	1
-8	6	0	-0.1544	0.8623	3
8	6	0	0.26209	0.23560	2
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-8	-6	1	52.5825	2.6469	2
8	-6	-1	54.0801	2.5673	2
-8	-6	1	52.1177	2.7063	3
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-8	6	2	6.13048	0.63760	2
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8	-6	-3	29.2601	1.6110	3
-8	-6	3	28.6195	1.6645	2
-8	-6	3	28.8911	1.3481	1
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-8	-6	4	5.90346	0.53549	1
-8	-6	4	6.06481	0.75540	2
-8	-6	4	6.14865	0.66082	3
8	-6	-4	6.64883	0.99615	1
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-8	-6	6	27.7086	1.5687	3
8	-6	-6	28.8206	1.6111	3
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-8	-6	8	25.2383	1.3835	1
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-8	-6	9	0.47511	0.58741	1
-8	6	9	2.05028	1.29903	3
8	6	-9	0.58023	0.47690	2
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-8	-6	10	14.7281	2.3607	1
-8	-6	10	12.1244	1.2624	3
-8	6	10	15.3470	1.4481	3
-8	-6	11	2.11908	0.70455	3
-8	-6	11	3.97688	0.74841	1
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-8	6	11	3.64718	1.12123	3
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8	-6	-16	0.63834	1.49719	1
8	-7	16	13.4384	1.7035	1
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8	-7	12	26.3329	2.5337	1
-8	-7	-12	27.6605	1.6659	1
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8	-7	-4	16.5072	1.1865	3
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8	7	-4	16.3215	1.2032	3
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8	-7	-5	5.27724	0.68895	3
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-8	-7	9	15.7934	1.0822	1
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-8	-7	9	15.8438	1.4897	3
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-8	8	-1	26.9409	1.8980	3
-8	-8	0	460.279	19.911	1
8	-8	0	443.805	19.955	1
-8	-8	0	469.602	22.331	3
8	-8	0	470.635	22.289	3
-8	-8	0	476.775	21.407	2
8	-8	0	453.261	21.338	2
8	8	0	464.071	22.868	3
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8	8	0	469.649	22.231	3
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-8	8	0	450.329	21.345	2
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8	-8	-1	25.7222	1.4411	2
8	-8	-1	27.0086	1.9932	3
-8	-8	1	26.3521	1.5823	1
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8	8	-1	27.0444	1.3780	2
-8	8	1	28.5626	2.3567	3
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8	-8	-2	20.9331	1.3143	1
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8	-8	-2	29.1404	2.2105	2
8	-8	-2	22.0214	1.4638	3
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8	8	-2	19.7623	1.5846	3
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8	-8	-3	15.9441	1.2462	3
8	-8	-3	17.0734	1.1869	2
8	-8	-3	13.4537	1.2938	1
-8	-8	3	14.3834	0.8919	1
-8	-8	3	15.3039	1.1227	3
-8	-8	3	17.1027	1.2439	2
-8	8	3	18.9171	2.3244	3
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8	8	-3	15.0887	1.1637	2
8	-8	-4	5.02438	0.68053	2
-8	-8	4	3.21508	0.75828	2
8	-8	-4	2.66350	0.66732	1
-8	-8	4	3.09308	0.75242	3
8	-8	-4	3.05250	0.65861	3
-8	8	4	3.52836	0.50969	2
8	8	-4	3.09593	0.49355	2
8	8	-4	5.41060	0.77650	3
-8	8	4	4.68755	1.55657	3
-8	-8	5	1.95330	0.77425	2
8	-8	-5	2.23619	0.63501	2

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-8	-8	5	2.47836	0.77006	3
8	8	-5	2.29007	0.48193	2
-8	8	5	2.66123	0.46510	2
-8	8	5	3.97712	1.46715	3
8	8	-5	3.56514	1.46638	3
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-8	-8	6	5.68543	0.75054	3
-8	-8	6	4.95721	0.61772	2
-8	-8	6	5.01110	0.59150	1
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-8	8	6	5.08298	0.86521	3
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-8	8	6	5.84115	0.49109	2
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8	-8	-7	5.55449	0.75862	2
-8	-8	7	4.45688	0.73529	3
-8	-8	7	5.59562	0.65231	1
8	8	-7	5.37124	1.37413	2
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-8	8	8	484.579	23.105	3
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-8	-8	9	6.73868	0.75418	1
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-8	-8	9	4.92541	0.77656	3
-8	8	9	5.44105	1.66436	3
8	8	-9	5.21129	0.66246	2
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-8	-8	10	62.4139	2.9563	1
-8	-8	10	62.9823	3.5747	3
-8	8	10	60.1164	3.5664	3
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-8	-8	11	7.10803	0.88045	1
-8	8	11	6.77500	1.04473	3
-8	-8	12	438.361	20.620	1
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-8	-8	13	13.1314	1.1188	3
-8	-8	13	13.4469	1.2019	1
8	-8	-13	16.9625	2.0650	1
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-8	-8	14	50.5723	2.6741	3

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8	-8	-16	97.9619	5.7642	1
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-8	-9	-11	31.5085	1.8364	1
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-8	9	-4	8.30500	0.72529	2
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8	-9	0	12.2572	0.8749	2
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-8	-10	-12	3.09327	1.84170	1
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-8	-10	-11	34.4085	2.5666	1
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8	-10	-6	13.4773	1.0803	2
-8	-10	6	11.4962	1.0572	3
-8	-10	6	12.6692	1.0537	2
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8	-10	-7	8.24191	0.89705	2
8	-10	-7	7.52568	0.91612	1
-8	-10	7	7.39083	0.88846	3
-8	-10	7	7.68580	0.84773	1
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-8	-10	8	2.08231	0.76592	1
8	-10	-8	1.32197	0.75995	1
-8	-10	8	1.47633	0.70710	3
8	-10	-8	1.47332	0.72447	2
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-8	10	8	1.75132	0.80976	3
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-8	-10	9	10.4480	1.0098	3
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8	-10	-10	4.93601	2.01070	1
-8	-10	10	5.28756	1.55322	3
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-8	-10	12	2.91035	1.12649	3
-8	10	12	2.26513	1.46404	3
-8	-10	13	11.8351	1.2399	1
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8	-13	1	35.3805	1.8998	1
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8	-13	1	34.4217	2.0648	3
-8	-13	-1	31.2824	2.0876	2
8	-13	1	38.9225	1.8590	2
8	13	1	36.5913	2.1439	3
8	13	1	34.8946	1.7244	2
-8	13	-1	35.8916	1.9030	2
8	-13	0	39.9014	2.0621	2
-8	-13	0	40.8271	2.3038	2
8	-13	0	38.5631	2.2125	3
-8	-13	0	38.3278	1.9104	1
8	-13	0	36.4204	2.7769	1
-8	13	0	37.4629	2.0173	2
8	13	0	37.8400	2.2704	3
8	13	0	37.3237	1.8928	2

-8	13	0	38.6050	3.0287	3
-8	-13	1	33.8400	2.0657	3
8	-13	-1	33.8927	2.0368	3
-8	-13	1	34.3125	1.7792	1
8	-13	-1	34.8797	1.9123	1
-8	-13	1	33.0131	2.1124	2
8	-13	-1	35.1888	2.2405	2
8	13	-1	35.0429	2.1304	3
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8	13	-1	35.0463	1.7737	2
8	-13	-2	45.1970	2.3283	1
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8	-13	-2	48.2790	3.2572	3
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8	-13	-2	45.1154	2.4413	2
8	13	-2	44.9611	2.2689	2
-8	13	2	45.0966	2.2912	2
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8	13	-2	45.4255	2.7979	3
8	-13	-3	23.2424	1.5538	3
8	-13	-3	22.8164	1.5477	1
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-8	-13	3	24.8872	1.3422	1
-8	-13	3	21.7914	1.6445	2
8	-13	-3	22.8613	1.6381	2
8	13	-3	19.9169	3.4256	3
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8	13	-3	21.1142	1.3462	2
8	-13	-4	18.6351	1.4055	1
-8	-13	4	20.5106	1.4675	3
8	-13	-4	19.2023	1.5894	2
-8	-13	4	20.8857	1.4882	2
-8	-13	4	18.7102	1.4347	1
8	13	-4	19.6792	1.2600	2
8	13	-4	19.1779	2.9094	3
-8	13	4	19.4960	1.5000	3
-8	13	4	18.9180	1.2110	2
-8	-13	5	2.42238	0.78957	3
-8	-13	5	2.06945	0.62462	1
-8	-13	5	1.92454	0.73400	2
8	-13	-5	0.70106	0.83285	1
-8	-13	5	2.07385	0.89110	2
8	-13	-5	1.43794	0.78819	2
-8	13	5	1.49542	0.46671	2
-8	13	5	1.44403	1.04008	3
8	13	-5	1.85578	0.56777	2
-8	-13	6	3.08912	1.70373	3
-8	-13	6	1.48458	0.66286	1
8	-13	-6	2.45726	0.82631	2
8	-13	-6	1.99425	1.55880	1
-8	-13	6	2.40218	0.61068	2

8	13	-6	1.43146	0.56595	2
-8	13	6	1.31378	1.59768	3
-8	13	6	2.40374	0.43078	2
-8	-13	7	2.11796	1.47816	3
8	-13	-7	2.20218	0.82969	2
8	-13	-7	1.50868	1.19677	1
-8	-13	7	2.40665	0.69356	1
8	13	-7	0.56088	0.56875	2
-8	13	7	1.80142	1.06744	3
8	-13	-8	6.07805	0.92530	2
8	-13	-8	5.78272	0.97727	1
-8	-13	8	5.49621	0.82151	1
-8	-13	8	5.66210	0.98744	3
8	13	-8	4.81283	1.63324	2
-8	13	8	4.49588	1.98606	3
8	-13	-9	3.70565	0.88249	2
-8	-13	9	3.73176	1.63767	3
8	-13	-9	4.58048	0.99586	1
-8	-13	9	3.90612	0.81150	1
8	13	-9	3.65252	1.35599	2
-8	13	9	4.06027	0.96881	3
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8	-13	-10	4.09181	0.92192	2
8	-13	-10	2.65083	1.44785	1
8	13	-10	2.86211	0.68940	2
-8	13	10	3.11566	0.95534	3
8	-13	-11	9.59626	1.28948	1
-8	-13	11	11.1288	1.1415	3
-8	-13	11	13.8011	1.2271	1
8	13	-11	9.85281	0.97840	2
-8	13	11	13.6314	1.3088	3
8	-13	-12	23.3191	1.7327	1
-8	-13	12	24.3956	1.7636	1
-8	-13	13	9.52050	1.13039	1
8	-13	-13	7.38276	1.20820	1
-8	-13	14	3.06963	1.04081	1
8	-13	-14	3.71434	1.15918	1
8	-14	13	7.97565	1.08797	1
8	-14	12	0.67007	0.83363	1
8	-14	11	1.77077	0.83117	1
8	-14	10	0.77943	1.91396	3
8	-14	10	0.41809	0.77775	1
8	-14	9	2.05452	0.77560	1
8	-14	9	2.37418	0.68547	3
8	14	9	3.11304	1.12283	3
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8	-14	8	16.7847	1.4223	1
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8	14	8	19.1637	1.5440	3
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8	14	6	13.2466	2.0749	3
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-8	-14	-5	1.60143	0.66490	1
8	14	5	3.67082	2.08156	3
-8	14	-5	1.85193	0.56726	2
8	-14	4	12.0056	1.1275	1
8	-14	4	13.4258	1.1830	3
-8	-14	-4	13.3193	1.3499	2
-8	-14	-4	16.4522	1.4926	1
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-8	-14	-3	19.8037	1.5313	2
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8	14	3	18.7059	1.4915	3
-8	14	-3	21.5459	1.2830	2
-8	-14	-2	1.09030	0.63793	1
8	-14	2	0.28987	0.72159	3
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-8	-14	-1	43.8163	2.4523	2
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8	-14	0	-0.0510	0.5398	2
-8	-14	0	-0.8278	0.8484	2
-8	-14	0	0.41547	0.59779	1
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8	14	0	-0.4627	0.7667	3
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8	-14	-1	42.1387	3.0804	1
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-8	14	1	40.9581	2.2294	2
8	14	-1	44.4068	2.5166	3
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8	-14	-3	20.5916	1.5709	2
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-8	14	3	20.7161	2.9941	3
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-8	-14	4	15.3101	1.4769	1
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-8	14	5	2.53448	0.49307	2
-8	-14	6	12.2362	0.9576	2
-8	-14	6	12.3897	1.2147	3
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8	-14	-6	11.1103	1.1690	2
-8	-14	6	12.3903	1.5601	1
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8	-15	11	3.19477	0.88290	1
8	-15	10	6.54861	0.82935	3
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8	-15	9	14.5640	1.1458	3
8	-15	9	14.2121	1.2307	1
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8	-15	8	5.47588	1.55392	1
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8	15	8	7.11123	1.31808	3
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-8	-15	-7	24.6449	1.5407	1
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-8	-15	-5	13.2446	1.0742	1
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-8	15	-4	4.10520	0.62996	2
-8	-15	-3	15.8836	1.5105	2
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-8	-15	-3	18.3233	1.3382	1
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8	-15	-5	10.6458	1.1170	2
-8	-15	5	9.31725	0.97573	2
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8	-15	-13	10.7363	1.3539	1
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8	-16	10	23.8448	2.4010	1
8	-16	9	5.14259	0.83993	3
8	-16	9	4.94113	1.08069	1
8	16	9	5.79292	1.57291	3
8	-16	8	106.294	5.344	3
8	-16	8	98.4189	5.3828	1
8	16	8	115.609	6.233	3
8	-16	7	1.34060	0.80879	1
8	-16	7	3.26594	1.28681	3
8	16	7	2.94582	1.20253	3
8	-16	6	6.70238	1.64948	1
8	-16	6	8.72030	1.78734	3
-8	-16	-6	7.96375	0.95680	1
8	16	6	7.99553	1.65898	3
-8	-16	-5	2.13641	1.25713	1
8	-16	5	0.81609	0.78310	1
8	-16	5	0.81244	0.83201	3
-8	16	-5	0.24001	1.24776	2
8	16	5	0.84855	1.84387	3
8	-16	4	4.69319	0.89409	1
-8	-16	-4	7.74146	1.09285	1
8	-16	4	8.09870	1.03409	3
-8	-16	-4	7.53769	1.11598	2
-8	16	-4	5.56775	0.76022	2
8	16	4	6.33944	1.08123	3
-8	-16	-3	16.5187	1.2639	1
-8	-16	-3	18.8569	1.5792	2
8	-16	3	17.9563	1.3598	1
8	-16	3	16.1303	1.3870	3
-8	16	-3	17.3431	1.2257	2
8	16	3	19.6330	1.4943	3
8	-16	2	4.93311	0.50268	2
8	-16	2	7.39981	1.02844	3
8	-16	2	4.13379	0.89116	1
-8	-16	-2	5.91267	1.10877	2
-8	-16	-2	7.81710	0.91179	1
8	16	2	7.64690	1.07237	3
-8	16	-2	5.51853	0.74611	2
8	-16	1	13.5098	0.9045	2
8	-16	1	12.1289	1.1217	1
-8	-16	-1	14.8506	1.3414	2
-8	-16	-1	11.1709	1.0598	1
8	-16	1	11.7853	1.2037	3
8	16	1	12.0972	1.2789	3
8	16	1	9.78258	0.83397	2
-8	16	-1	11.5057	1.0446	2
-8	-16	0	31.9597	2.0143	2
8	-16	0	26.0082	1.7436	1
8	-16	0	27.5966	1.7650	2
-8	-16	0	30.4391	1.6258	1
8	-16	0	27.6725	1.8786	3
-8	16	0	27.1070	1.6590	2
8	16	0	32.8337	1.9782	3

8	16	0	29.5504	1.5213	2
8	-16	-1	13.4447	2.1335	1
8	-16	-1	11.4017	1.2525	3
8	-16	-1	13.1630	1.3850	2
-8	-16	1	12.6341	1.5951	2
-8	-16	1	11.9796	1.0101	1
8	16	-1	13.9422	1.3236	3
8	16	-1	10.9672	0.9158	2
-8	16	1	11.7342	1.0496	2
-8	-16	2	5.90008	0.80536	1
8	-16	-2	4.83557	0.91942	2
8	-16	-2	7.55365	1.03125	1
-8	-16	2	7.16501	1.05439	2
8	16	-2	5.54313	0.66124	2
8	16	-2	5.64569	1.08577	3
-8	16	2	4.05382	0.68706	2
8	-16	-3	17.1408	1.4812	1
-8	-16	3	17.9927	1.6533	2
-8	-16	3	19.5616	2.8680	1
-8	-16	3	21.1911	1.5623	2
8	-16	-3	18.4152	1.5934	2
8	16	-3	22.7352	2.4425	2
-8	16	3	17.5377	1.2490	2
-8	16	3	21.6280	1.6624	3
8	-16	-4	5.77131	2.13525	1
8	-16	-4	6.47059	1.03088	2
-8	-16	4	5.97727	1.85524	3
-8	-16	4	4.56603	0.92894	1
-8	-16	4	5.56328	0.97956	2
-8	16	4	6.43393	0.67288	2
8	16	-4	6.28040	0.76445	2
-8	16	4	7.35753	1.14626	3
-8	-16	5	1.36618	0.82544	1
8	-16	-5	0.47272	0.96321	1
-8	-16	5	0.85469	0.91486	3
8	-16	-5	0.73898	0.87274	2
-8	-16	5	1.51891	0.75745	2
8	16	-5	1.21611	0.62397	2
-8	16	5	1.84890	0.99345	3
-8	16	5	0.98572	0.48125	2
-8	-16	6	6.91333	0.94748	1
8	-16	-6	8.43790	1.13218	2
-8	-16	6	8.62359	1.14056	3
8	-16	-6	8.39354	1.15342	1
-8	-16	6	8.86197	0.85411	2
-8	16	6	8.90817	1.23418	3
8	16	-6	9.36037	0.90927	2
-8	-16	7	3.42293	6.00481	3
8	-16	-7	1.87327	0.96424	1
-8	-16	7	1.36483	0.91209	1
8	-16	-7	2.33847	0.94975	2
-8	16	7	2.25177	1.01902	3
8	16	-7	2.10165	0.70052	2
-8	-16	8	102.055	5.481	3

8	-16	-8	110.316	5.279	2
8	-16	-8	106.290	5.137	1
-8	-16	8	103.992	4.854	1
-8	16	8	104.009	5.468	3
8	16	-8	108.779	5.119	2
8	-16	-9	4.69915	1.09758	1
-8	-16	9	5.26824	0.95558	1
-8	-16	9	4.38033	1.00094	3
8	-16	-9	5.03070	1.03572	2
8	16	-9	3.79445	1.15514	2
-8	16	9	5.75812	1.10322	3
-8	-16	10	20.7402	1.5733	1
8	-16	-10	23.8604	1.9529	2
8	-16	-10	27.5708	2.7897	1
8	16	-10	23.3591	1.6643	2
-8	-16	11	5.98421	1.14426	1
8	-16	-11	6.48566	1.20637	2
8	-16	-11	6.27776	1.20909	1
8	16	-11	7.48302	0.97606	2
8	-16	-12	92.6009	4.8543	1
-8	-16	12	85.0966	4.3316	1
8	16	-12	96.9401	4.5804	2
8	-17	11	11.4050	2.2751	1
8	-17	10	4.92467	1.06422	1
8	-17	9	8.58731	1.78420	1
8	-17	8	2.11026	1.41691	1
8	-17	8	2.23607	0.85931	3
8	17	8	3.36468	1.92593	3
8	-17	7	34.5058	2.0541	1
8	-17	7	33.8758	2.5038	3
8	17	7	33.6938	3.0853	3
8	-17	6	13.5128	2.1118	1
8	-17	6	15.0126	1.5227	3
8	17	6	19.5839	2.9318	3
-8	17	-6	16.3360	1.2326	2
-8	-17	-5	9.29324	1.08139	1
8	-17	5	9.11475	1.05490	1
-8	-17	-5	10.2402	1.2479	2
8	-17	5	9.43256	1.11852	3
8	17	5	9.64378	1.75908	3
-8	17	-5	9.79655	1.01412	2
8	-17	4	2.11154	0.87678	3
8	-17	4	1.38904	0.82420	1
-8	-17	-4	1.54648	0.97002	2
-8	-17	-4	0.85373	1.28089	1
8	17	4	0.22242	0.91419	3
-8	17	-4	0.37142	0.60692	2
8	-17	3	11.2111	1.3821	3
8	-17	3	9.34777	1.07746	1
-8	-17	-3	12.4373	1.1019	1
-8	-17	-3	9.90949	1.24825	2
8	17	3	10.5952	1.2400	3
-8	17	-3	12.6864	1.0604	2
-8	-17	-2	75.0193	4.0520	2

-8	-17	-2	71.7611	3.3008	1
8	-17	2	69.0847	3.3905	1
8	-17	2	65.3516	3.7225	3
-8	17	-2	71.2597	3.4750	2
8	17	2	71.1062	3.7925	3
-8	-17	-1	7.57039	0.88902	1
8	-17	1	6.42422	1.92835	1
8	-17	1	7.20532	1.04122	3
-8	-17	-1	6.38149	1.13328	2
8	-17	1	6.52225	0.69438	2
8	17	1	5.83532	1.07265	3
-8	17	-1	7.62631	0.80459	2
8	-17	0	5.02097	0.96980	1
-8	-17	0	5.18337	0.80475	1
8	-17	0	5.91749	1.02527	3
-8	-17	0	4.37882	1.18571	2
8	-17	0	4.19731	0.73057	2
8	17	0	4.59901	0.52792	2
8	17	0	4.72690	1.03002	3
-8	17	0	4.67744	1.37648	2
-8	-17	1	7.43100	0.87634	1
-8	-17	1	7.53287	1.11017	2
8	-17	-1	6.44945	1.05840	1
8	-17	-1	6.87316	1.11410	3
8	-17	-1	5.62665	1.73713	2
8	17	-1	7.00345	1.11644	3
8	17	-1	6.81255	0.65765	2
-8	17	1	7.19034	0.76451	2
8	-17	-2	68.7477	3.6771	2
-8	-17	2	71.2972	3.7253	2
-8	-17	2	73.2175	3.3755	1
8	-17	-2	70.3673	3.4856	1
8	17	-2	72.2818	3.4764	2
8	17	-2	73.7909	3.8981	3
-8	17	2	71.8753	3.5236	2
8	-17	-3	9.27256	1.16907	1
-8	-17	3	9.72535	1.72127	2
8	-17	-3	12.2713	1.1799	2
-8	-17	3	11.7717	2.4895	1
-8	-17	3	11.6482	1.1914	2
-8	17	3	10.3939	0.9613	2
-8	17	3	12.0127	1.3763	3
8	17	-3	9.32846	0.88512	2
8	-17	-4	0.63852	0.90886	2
-8	-17	4	1.51444	0.76919	1
-8	-17	4	1.94693	0.85338	2
8	-17	-4	0.80010	0.99382	1
-8	17	4	1.21936	0.54001	2
8	17	-4	1.43317	0.61930	2
-8	17	4	-0.3565	0.9938	3
8	-17	-5	9.36001	1.18039	2
-8	-17	5	9.44724	0.98246	2
-8	-17	5	10.0856	1.0081	1
8	-17	-5	8.21904	1.20649	1

-8	-17	5	9.10690	1.24189	3
8	17	-5	10.0819	1.0362	2
-8	17	5	10.5175	0.8517	2
-8	17	5	9.57834	1.29408	3
8	-17	-6	13.5342	1.3694	1
8	-17	-6	16.3608	1.6160	2
-8	-17	6	15.9305	1.2715	1
-8	-17	6	15.8895	1.3301	2
-8	-17	6	15.3592	1.4040	3
8	17	-6	15.4375	1.2438	2
-8	17	6	15.2314	1.4890	3
-8	-17	7	31.7860	1.9064	1
-8	-17	7	32.9859	3.2165	3
8	-17	-7	38.5578	2.2763	2
8	-17	-7	33.5628	2.0501	1
8	17	-7	33.2617	1.9425	2
-8	17	7	32.3449	2.1856	3
8	-17	-8	2.72096	1.02626	2
-8	-17	8	1.49834	0.89250	1
-8	-17	8	1.95358	1.86937	3
8	-17	-8	1.61690	1.06685	1
8	17	-8	2.49983	0.76659	2
-8	17	8	2.66350	1.07564	3
-8	-17	9	8.23657	1.88847	3
8	-17	-9	8.14885	1.22520	1
8	-17	-9	7.54352	1.17987	2
-8	-17	9	8.32790	1.07934	1
8	17	-9	7.75752	0.93920	2
8	-17	-10	2.86364	1.18369	1
-8	-17	10	3.00055	1.47280	1
8	-17	-10	3.47402	1.08918	2
8	17	-10	2.79815	1.65348	2
-8	-17	11	10.7870	2.1304	1
8	-17	-11	12.6099	1.4097	2
8	-17	-11	12.0373	2.1207	1
8	17	-11	11.8290	1.1362	2
8	-18	10	1.66296	0.92552	1
8	-18	9	18.2688	2.7711	1
8	-18	8	2.37220	1.56456	1
8	-18	7	7.56457	1.04216	1
8	-18	6	4.42166	1.76972	1
8	-18	6	2.90677	1.15253	3
-8	18	-6	1.60411	0.73777	2
8	18	6	2.37174	2.40436	3
8	-18	5	0.71531	0.86388	1
8	-18	5	1.66952	1.26045	3
-8	-18	-5	-1.2302	1.0097	2
-8	18	-5	0.99021	0.67351	2
8	18	5	-0.1302	1.5066	3
8	-18	4	18.0460	1.4640	3
-8	-18	-4	16.9040	1.3918	1
8	-18	4	16.4838	1.3793	1
-8	-18	-4	21.2204	2.9461	2
-8	18	-4	18.3282	1.2753	2

8	18	4	17.7045	1.5949	3
-8	-18	-3	23.7007	1.8437	2
8	-18	3	23.3976	1.9651	3
-8	-18	-3	23.5115	1.7820	1
8	-18	3	22.5159	1.5890	1
8	18	3	23.2859	1.7925	3
-8	18	-3	24.8781	1.5080	2
-8	-18	-2	14.4552	1.2421	1
8	-18	2	15.4515	1.3944	1
8	-18	2	16.2743	1.4223	3
-8	-18	-2	18.8825	1.5734	2
8	18	2	14.8481	1.4960	3
-8	18	-2	16.5269	1.2327	2
8	-18	1	6.29376	0.71960	2
-8	-18	-1	5.57017	1.12754	2
8	-18	1	7.27817	1.06030	1
8	-18	1	5.01161	1.90480	3
-8	-18	-1	6.49223	0.91166	1
-8	18	-1	6.21045	0.81868	2
8	18	1	6.36086	1.11573	3
8	-18	0	1.48558	0.67203	2
8	-18	0	0.62988	0.92914	1
8	-18	0	-0.8921	0.9032	3
-8	-18	0	0.43430	0.75087	1
-8	-18	0	-0.5097	0.9342	2
8	18	0	0.42540	0.40639	2
8	18	0	-0.3250	0.9468	3
-8	18	0	0.43265	0.63313	2
-8	-18	1	4.83697	0.86369	1
8	-18	-1	6.45203	2.08560	1
-8	-18	1	5.78792	1.10364	2
8	-18	-1	5.63267	1.89845	2
8	18	-1	6.36009	0.66478	2
8	18	-1	6.45115	1.17565	3
-8	18	1	6.75719	0.77227	2
8	-18	-2	19.7937	1.5718	1
-8	-18	2	16.0611	1.5317	2
-8	-18	2	19.1059	1.5550	2
8	-18	-2	17.4373	1.5484	2
-8	-18	2	16.2399	1.2845	1
-8	18	2	15.3303	1.2112	2
8	18	-2	15.5554	1.1400	2
-8	-18	3	23.6314	1.8293	2
8	-18	-3	23.1634	1.9215	1
8	-18	-3	24.3356	1.7822	2
-8	-18	3	27.4405	3.4174	1
8	18	-3	22.8153	1.4507	2
-8	18	3	24.2962	1.4436	2
-8	-18	4	15.3925	1.3283	1
8	-18	-4	18.7031	1.5828	1
8	-18	-4	20.3239	1.6554	2
-8	-18	4	19.4301	1.6202	2
8	18	-4	19.3115	2.2172	2
-8	18	4	17.7072	1.6822	3

-8	18	4	19.0862	1.2181	2
8	-18	-5	-0.0772	0.9729	2
8	-18	-5	-0.6593	1.0177	1
-8	-18	5	-0.3477	0.7788	1
-8	-18	5	0.04258	0.77183	2
-8	18	5	-0.1573	1.0500	3
8	18	-5	0.58550	0.66293	2
-8	18	5	0.38473	0.49694	2
-8	-18	6	3.28918	1.02917	3
8	-18	-6	1.25863	1.08271	1
-8	-18	6	2.22557	0.68603	2
8	-18	-6	1.94063	1.02452	2
-8	-18	6	2.87191	0.87466	1
-8	18	6	4.71646	1.12842	3
8	18	-6	1.01305	0.72407	2
-8	-18	7	6.76128	1.04939	1
-8	-18	7	8.48950	1.40106	3
8	-18	-7	6.08468	1.17357	2
8	-18	-7	8.09173	1.22704	1
8	18	-7	6.38234	0.89887	2
-8	18	7	6.72513	1.26365	3
8	-18	-8	3.33798	1.08400	2
8	-18	-8	1.70518	1.08678	1
-8	-18	8	2.67293	1.93085	3
-8	-18	8	2.40736	0.93873	1
8	18	-8	1.03266	0.75745	2
-8	18	8	2.93413	1.14072	3
8	-18	-9	16.8911	1.5702	1
8	-18	-9	19.4290	1.6021	2
-8	-18	9	14.9809	1.3959	1
8	18	-9	15.1146	1.3982	2
8	-18	-10	0.10270	1.09517	1
-8	-18	10	0.73532	1.55277	1
8	-18	-10	0.12215	1.08399	2
8	18	-10	-0.3400	0.7814	2
8	-19	9	0.64040	1.62270	1
8	-19	8	1.98791	1.61862	1
8	-19	7	6.83318	1.06725	1
-8	19	-7	6.38841	1.71571	2
8	-19	6	16.8533	1.9847	1
-8	19	-6	21.5015	1.4761	2
8	-19	5	3.94146	1.02416	1
-8	-19	-5	3.76652	1.15734	2
8	-19	5	6.12094	1.15782	3
8	19	5	4.68008	1.99263	3
-8	19	-5	4.03265	0.76414	2
8	-19	4	23.4990	1.6726	1
-8	-19	-4	24.4679	2.3730	2
8	-19	4	23.4271	1.7948	3
-8	19	-4	26.0023	1.6034	2
8	19	4	28.4531	1.9656	3
8	-19	3	8.86333	1.17634	3
-8	-19	-3	7.74035	1.00261	1
8	-19	3	6.30180	1.05763	1

-8	-19	-3	6.80654	1.30868	2
-8	19	-3	8.36430	0.89545	2
8	19	3	7.64850	1.21029	3
8	-19	2	38.7821	3.4550	3
-8	-19	-2	42.1956	2.2167	1
-8	-19	-2	42.8097	2.5593	2
8	-19	2	41.3089	2.3082	1
-8	19	-2	41.5952	2.2551	2
8	19	2	42.1641	2.5809	3
8	-19	1	0.05726	0.60885	2
-8	-19	-1	0.66782	0.80911	1
-8	-19	-1	1.07209	1.00013	2
8	-19	1	0.70624	0.94964	1
8	-19	1	0.84867	0.99638	3
-8	19	-1	1.03835	0.68484	2
8	19	1	2.23525	1.01403	3
8	-19	0	3.74131	0.79537	2
-8	-19	0	6.01501	1.11749	2
8	-19	0	5.13028	1.02970	1
-8	-19	0	4.18574	0.87104	1
8	19	0	4.84550	0.52611	2
-8	19	0	3.43616	0.70404	2
8	19	0	5.81292	1.12356	3
-8	-19	1	2.09125	1.04421	2
8	-19	-1	-0.4258	0.9639	1
-8	-19	1	1.07269	0.81260	1
8	-19	-1	0.99592	1.73502	2
-8	-19	1	0.39176	0.99268	2
-8	19	1	0.31835	0.62823	2
8	19	-1	1.42324	0.53737	2
8	-19	-2	42.2578	2.7031	1
-8	-19	2	43.3599	2.6014	2
-8	-19	2	39.8701	2.3579	1
8	-19	-2	44.2681	2.5251	2
-8	19	2	43.7967	2.2896	2
8	19	-2	44.2591	2.2364	2
8	-19	-3	7.92118	1.21300	1
-8	-19	3	8.20738	2.52238	1
8	-19	-3	9.91609	1.18328	2
-8	-19	3	6.51164	1.08376	2
8	19	-3	7.54149	0.79882	2
-8	19	3	7.81166	0.85635	2
-8	-19	4	26.9460	1.8708	2
8	-19	-4	25.9140	1.8557	1
-8	-19	4	27.7774	1.7589	1
8	-19	-4	26.1737	1.9929	2
-8	19	4	26.2218	1.5280	2
8	19	-4	26.4971	1.6065	2
-8	-19	5	3.81138	0.92354	1
8	-19	-5	5.39478	1.15541	2
-8	-19	5	4.12600	0.89719	2
8	-19	-5	4.14335	1.18123	1
8	19	-5	4.57937	1.79114	2
-8	19	5	4.05159	1.21593	3

-8	-19	6	18.0433	1.4778	1
8	-19	-6	19.8662	2.1563	1
8	-19	-6	22.7911	1.8044	2
-8	19	6	17.7456	1.7440	3
8	19	-6	21.1153	1.4202	2
-8	-19	7	6.74167	1.24863	3
8	-19	-7	8.19770	1.27565	1
8	-19	-7	8.93298	1.25568	2
-8	-19	7	5.63817	1.06334	1
8	19	-7	7.07681	0.94919	2
-8	19	7	8.62716	1.36528	3
8	-19	-8	3.16951	1.14131	1
8	-19	-8	3.33281	1.13923	2
-8	-19	8	2.11539	0.96927	1
8	19	-8	2.59841	0.80388	2
8	-19	-9	0.16496	1.13238	1
8	-19	-9	1.01505	1.11795	2
-8	-19	9	1.57886	0.97004	1
8	19	-9	0.88831	0.79606	2
8	-20	8	15.9671	1.9019	1
8	-20	7	11.8884	1.2996	1
-8	20	-7	11.9136	1.1131	2
8	-20	6	12.6989	2.3041	1
-8	-20	-6	14.5331	1.6569	2
-8	20	-6	13.3722	1.1563	2
-8	-20	-5	47.1577	2.8190	2
8	-20	5	48.3868	2.5334	1
-8	20	-5	44.6165	2.4907	2
8	-20	4	8.43192	1.16655	1
-8	-20	-4	9.84724	1.30852	2
8	-20	4	9.38878	1.29938	3
-8	20	-4	7.06520	0.94612	2
8	-20	3	93.9655	4.6329	1
-8	-20	-3	101.534	5.043	2
8	-20	3	93.4011	5.1332	3
-8	20	-3	99.0704	4.8119	2
8	20	3	107.872	5.248	3
8	-20	2	16.1750	1.5434	3
-8	-20	-2	16.1958	1.3849	1
-8	-20	-2	12.9905	1.4886	2
8	-20	2	16.1956	1.4681	1
-8	20	-2	14.8826	1.2688	2
8	20	2	20.0955	1.6715	3
-8	-20	-1	106.206	5.139	2
-8	-20	-1	103.264	5.125	2
8	-20	1	102.363	5.053	2
-8	-20	-1	97.7394	4.6600	1
8	-20	1	101.243	5.303	3
8	-20	1	97.6652	4.7635	1
8	20	1	104.109	5.333	3
-8	20	-1	100.885	4.984	2
8	-20	0	5.89542	0.89729	2
-8	-20	0	5.98680	0.97716	1
-8	-20	0	6.28721	1.21371	2

8	-20	0	5.46541	2.28894	1
-8	-20	0	7.82090	1.22407	2
8	20	0	6.86078	1.24425	3
-8	20	0	6.13116	0.83565	2
8	-20	-1	102.390	5.244	2
-8	-20	1	99.0494	4.7218	1
-8	-20	1	103.582	5.168	2
8	-20	-1	102.112	4.830	1
8	20	-1	106.423	4.869	2
-8	20	1	101.467	4.943	2
8	-20	-2	15.7296	1.5538	2
-8	-20	2	15.5758	1.6533	2
8	-20	-2	14.3096	2.5030	1
-8	-20	2	15.4946	1.7337	1
8	20	-2	17.7403	1.2026	2
-8	20	2	18.2368	1.2690	2
8	-20	-3	97.6253	5.3029	1
-8	-20	3	103.019	4.987	2
8	-20	-3	103.165	5.000	2
-8	-20	3	94.3792	5.7246	1
8	20	-3	98.9339	4.7880	2
-8	20	3	97.7491	4.9237	2
8	-20	-4	8.60878	2.45886	1
-8	-20	4	10.0516	1.1420	2
8	-20	-4	10.0679	1.2954	2
-8	-20	4	7.68265	1.17124	1
8	20	-4	8.92454	1.93678	2
-8	20	4	8.84423	0.80045	2
-8	-20	5	45.8900	2.5252	1
8	-20	-5	49.9862	2.7232	1
-8	-20	5	47.4111	2.6592	2
8	-20	-5	51.8292	2.8730	2
8	20	-5	48.3812	2.5390	2
8	-20	-6	13.1795	1.4779	2
-8	-20	6	11.7457	1.2380	1
8	-20	-6	12.5341	1.4627	1
8	20	-6	13.1728	2.6281	2
-8	20	6	14.5508	1.6434	3
8	-20	-7	12.3023	1.4286	2
8	-20	-7	14.0918	2.3227	1
-8	-20	7	12.8960	1.3288	1
8	20	-7	10.8330	1.0801	2
8	-20	-8	17.7532	1.6489	1
8	-20	-8	20.2026	1.6951	2
-8	-20	8	15.1827	1.4451	1
8	20	-8	16.1112	1.3518	2
8	-21	6	0.03915	2.14438	1
-8	-21	-6	-0.5899	1.0907	2
-8	21	-6	0.53461	0.74577	2
8	-21	5	1.29344	1.03033	1
-8	-21	-5	2.95540	1.13051	2
-8	21	-5	2.02967	0.80303	2
-8	-21	-4	2.94972	1.15399	2
8	-21	4	5.90145	1.12626	1

-8	21	-4	5.81336	0.87900	2
8	-21	3	1.61798	1.02180	1
-8	-21	-3	3.27067	1.15574	2
-8	-21	-3	2.89704	1.15445	2
-8	21	-3	2.56372	0.78679	2
8	-21	2	10.8812	1.3945	3
8	-21	2	6.98475	1.23209	1
-8	-21	-2	8.09719	1.29462	2
-8	-21	-2	8.72627	1.32446	2
8	21	2	9.49499	1.38522	3
-8	21	-2	10.0199	0.9916	2
8	-21	1	8.33491	1.24364	1
-8	-21	-1	9.23186	2.20580	2
-8	-21	-1	10.0830	1.3225	2
-8	-21	-1	8.16196	1.08650	1
-8	21	-1	7.47020	0.93400	2
8	21	1	9.92486	1.36605	3
-8	-21	0	13.0648	1.2160	1
8	-21	0	11.4059	1.3696	1
-8	-21	0	13.1382	1.4418	2
8	-21	0	11.9265	1.5036	2
-8	21	0	12.6046	1.1413	2
-8	-21	1	7.52474	1.20269	2
8	-21	-1	6.92994	1.03540	2
8	-21	-1	7.44589	1.25521	1
-8	-21	1	7.29847	1.06817	1
8	21	-1	8.97521	0.85778	2
-8	21	1	6.79397	0.87341	2
8	-21	-2	9.02541	2.34587	2
8	-21	-2	8.25084	1.29700	1
-8	-21	2	10.1775	1.8612	1
-8	-21	2	9.80682	1.22798	2
-8	21	2	7.55885	0.88919	2
8	21	-2	10.5901	0.9964	2
8	-21	-3	1.89532	1.14408	1
-8	-21	3	1.89164	1.20857	1
8	-21	-3	4.16667	1.10815	2
-8	-21	3	1.03306	0.97690	2
8	21	-3	2.22807	0.71007	2
-8	21	3	2.72171	1.26821	2
8	-21	-4	6.05277	1.20188	2
-8	-21	4	7.12741	1.05142	2
8	-21	-4	5.22541	1.28427	1
-8	-21	4	7.11237	1.44966	1
8	21	-4	5.53055	0.82523	2
-8	21	4	6.60597	0.72006	2
-8	-21	5	1.47015	0.93885	1
-8	-21	5	2.89222	1.09952	2
8	-21	-5	1.59029	1.12311	2
8	-21	-5	3.34616	1.36113	1
8	21	-5	2.82415	0.77526	2
8	-21	-6	-0.7747	1.1643	1
-8	-21	6	0.34149	0.93724	1
8	-21	-6	-0.0089	1.1357	2

8	21	-6	-0.1216	1.0667	2
-8	-22	-4	6.75651	1.30417	2
-8	-22	-4	5.04749	1.24622	2
8	-22	4	7.96057	1.21471	1
-8	22	-4	5.90675	0.93701	2
-8	-22	-3	0.30419	1.10630	2
8	-22	3	2.86481	1.09372	1
-8	-22	-3	1.80455	1.33287	2
-8	22	-3	2.33538	0.79894	2
8	-22	2	0.77973	1.03555	1
-8	-22	-2	1.12802	1.11632	2
-8	-22	-2	2.62985	1.12609	2
-8	22	-2	0.78419	0.77640	2
8	-22	1	6.79374	1.22921	1
-8	-22	-1	5.51293	1.24317	2
-8	22	-1	5.27861	0.85951	2
-8	-22	0	3.08178	0.98646	1
8	-22	0	2.11284	1.09486	1
8	-22	0	2.18158	0.81356	2
-8	-22	0	1.19140	1.07366	2
-8	22	0	0.86603	0.72991	2
8	-22	-1	7.35454	1.92228	1
-8	-22	1	7.81569	1.10535	1
8	-22	-1	6.44811	1.04872	2
-8	-22	1	6.10181	1.19390	2
-8	22	1	6.77357	0.90659	2
8	-22	-2	-0.3262	1.9495	2
-8	-22	2	1.55738	2.08119	1
8	-22	-2	0.84742	1.15861	1
-8	-22	2	0.35992	0.99861	2
8	22	-2	0.31346	0.63270	2
-8	22	2	1.22815	0.69854	2
8	-22	-3	1.74570	1.73506	1
8	-22	-3	1.86136	1.27422	2
-8	-22	3	3.16440	1.01594	1
-8	-22	3	1.17521	0.97259	2
-8	22	3	2.03041	0.64917	2
8	22	-3	2.60282	0.71298	2
-8	-22	4	5.03906	1.96748	1
-8	-22	4	4.72410	1.03138	2
8	-22	-4	5.74369	2.50600	1
8	-22	-4	6.75410	1.24621	2
8	22	-4	6.81224	0.85585	2
9	0	16	3.45780	0.95547	1
9	0	15	0.35729	0.82340	1
9	0	14	1.73750	0.80105	1
9	0	13	0.18097	0.68656	1
9	0	12	56.1463	2.6877	1
9	0	11	-0.7665	0.6079	1
9	0	10	11.6386	0.8952	1
9	0	9	0.20502	0.64591	1
9	0	8	1136.86	49.08	1
9	0	7	0.23974	0.48547	1
9	0	6	-0.2212	0.6864	1

9	0	4	1369.84	62.89	3
9	0	4	1262.02	62.77	3
9	0	3	-0.2916	0.2954	3
9	0	3	0.22795	0.33660	3
-9	0	-3	-0.2918	0.5128	3
9	0	2	8.35003	0.79674	3
-9	0	-2	10.5794	0.8593	3
9	0	2	9.26187	0.73399	3
-9	0	-1	-0.5094	0.7237	3
9	0	1	-0.5460	0.3474	3
9	0	1	-0.1256	0.1262	3
-9	0	1	-0.5119	0.3538	2
9	0	-1	-0.6905	0.2462	2
9	0	-1	-0.4907	0.3774	3
-9	0	1	-0.4736	0.4036	3
-9	0	2	8.30435	0.70842	3
9	0	-2	6.09789	0.59802	2
9	0	-3	0.24034	0.31954	2
-9	0	3	0.16499	0.43629	3
-9	0	3	0.06735	0.40754	2
9	0	-3	-0.2560	0.3380	1
-9	0	3	0.03499	0.29381	1
9	0	-4	1309.11	59.54	2
-9	0	4	1213.21	59.32	2
-9	0	4	1322.14	61.68	3
-9	0	4	1321.11	55.36	1
-9	0	5	-0.7481	0.4030	1
9	0	-5	-0.9271	0.3698	2
-9	0	5	-0.7297	0.7952	3
-9	0	5	-0.8794	0.4437	2
-9	0	6	6.56504	1.41682	3
-9	0	6	0.91370	0.45330	2
9	0	-6	-0.5056	0.4079	2
-9	0	6	-0.2821	0.5119	3
-9	0	6	-0.4795	0.4423	1
-9	0	7	0.34545	0.48612	1
9	0	-7	-0.1194	0.4534	2
-9	0	7	-0.3012	0.5130	3
-9	0	8	1144.90	48.80	1
9	0	-8	1124.35	52.98	2
-9	0	8	1140.32	54.32	3
9	0	-9	0.26954	0.53630	2
-9	0	9	-0.1934	0.6033	1
-9	0	9	-0.0435	0.9026	3
-9	0	10	10.5459	0.9990	1
-9	0	10	11.7247	1.1021	3
-9	0	11	-0.3420	1.1624	3
-9	0	11	-0.0317	0.6797	1
-9	0	12	55.1651	2.7234	1
-9	0	12	56.3723	3.5927	3
-9	0	13	-0.6929	0.7948	1
-9	0	13	-0.1550	2.0087	3
-9	0	14	3.93106	1.41612	3
-9	0	14	1.71216	0.88867	1

-9	0	15	0.21100	0.90481	1
-9	0	15	-0.5868	1.0026	3
-9	0	16	2.53862	1.04032	1
-9	0	17	1.58846	1.09088	1
9	-1	16	7.80877	1.05530	1
9	-1	15	3.93846	0.87222	1
9	1	15	4.33889	0.90555	1
9	-1	14	12.4162	1.1438	1
9	1	14	12.3434	1.1581	1
9	-1	13	20.3747	1.5675	1
9	1	13	18.0211	1.3044	1
9	-1	12	34.9364	1.9269	1
9	1	12	33.2598	1.7850	1
9	-1	11	2.12339	0.61777	1
9	1	11	1.89745	0.60034	1
9	-1	10	14.1697	1.2731	1
9	1	10	9.85766	0.89420	1
9	-1	9	2.31815	0.58516	1
9	1	9	1.75764	0.53017	1
9	-1	8	23.5797	1.9218	1
9	1	8	18.4169	1.2664	1
9	-1	7	2.27987	0.47023	1
9	1	7	1.25766	0.49423	1
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9	1	6	-0.2031	0.4677	1
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9	-1	4	8.17718	0.72959	3
9	1	4	4.60009	0.52153	3
9	-1	3	0.62620	0.45057	3
-9	-1	-3	0.26553	0.32740	3
9	-1	3	1.66489	0.36079	3
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9	1	3	1.34979	0.65599	3
9	1	3	0.93845	0.32270	3
9	-1	2	0.39574	0.31606	3
9	-1	2	0.67588	0.36566	3
-9	-1	-2	-0.4914	0.8249	3
-9	1	-2	-0.5131	0.3801	3
9	1	2	-0.1646	0.4705	3
9	1	2	0.02670	0.33702	3
9	-1	1	0.08223	0.08922	3
-9	-1	-1	-0.2918	1.0636	3
9	-1	1	0.18782	0.71908	3
9	1	1	-0.1238	1.0805	3
-9	1	-1	0.20486	0.39591	3
-9	-1	0	1.71160	0.60679	3
9	-1	0	0.52918	0.38751	3
9	-1	0	1.06948	0.37086	3
9	1	0	3.42313	0.47914	2
9	1	0	0.36174	0.35550	3
-9	1	0	0.95028	0.42948	3
9	-1	-1	0.23899	0.38290	3
-9	-1	1	0.02137	0.34653	2

9	-1	-1	1.09165	0.31316	2
9	-1	-1	0.07988	0.39960	3
-9	-1	1	-0.0375	0.3854	3
-9	1	1	0.15023	0.41555	3
9	1	-1	-0.0093	0.3519	3
9	1	-1	0.89657	0.24881	2
9	-1	-2	0.06626	0.39324	3
9	-1	-2	-0.2165	0.2809	2
-9	-1	2	-0.1948	0.6535	3
-9	-1	2	-0.1452	0.3740	2
-9	1	2	-0.1652	0.7207	3
9	1	-2	-0.0833	0.3023	2
-9	1	2	-0.6101	0.3321	2
9	1	-2	-0.0065	1.0256	3
9	-1	-3	2.01402	0.54586	1
-9	-1	3	2.16257	0.43926	2
-9	-1	3	1.27093	0.91046	3
9	-1	-3	0.66935	0.48518	2
-9	1	3	0.32447	0.49271	3
-9	1	3	1.28456	0.66155	2
9	1	-3	0.62387	1.10283	3
9	-1	-4	2.08188	0.42062	1
-9	-1	4	1.75087	0.75239	2
9	-1	-4	1.22421	0.47535	2
-9	-1	4	1.05584	0.48634	3
-9	-1	4	1.99655	0.37302	1
9	1	-4	0.83986	0.37997	2
9	1	-4	1.74016	0.57907	3
-9	1	4	1.48355	0.47867	3
-9	-1	5	0.59667	0.38584	1
-9	-1	5	0.14939	0.46529	2
-9	-1	5	0.38513	0.48502	3
9	-1	-5	0.04151	0.37159	2
9	1	-5	0.78147	0.61256	3
-9	1	5	1.17241	0.47537	3
9	1	-5	-0.0529	0.5791	2
-9	1	5	0.90601	0.46865	2
-9	1	5	0.66719	0.82775	1
-9	-1	6	1.21489	0.43680	1
9	-1	-6	0.69901	1.13587	2
-9	-1	6	0.32731	0.50940	3
-9	-1	6	1.61665	0.50200	2
9	1	-6	0.76856	0.50493	3
-9	1	6	0.29153	0.47943	1
-9	1	6	1.82078	0.44726	2
-9	1	6	0.34074	0.82857	3
9	1	-6	-0.1733	0.5025	2
-9	-1	7	1.10256	0.80087	3
-9	-1	7	0.94032	0.48203	1
9	-1	-7	0.60034	0.49134	2
-9	1	7	0.62032	0.53004	1
9	1	-7	0.82123	2.66356	3
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-9	1	7	0.27685	0.52557	3

-9	-1	8	16.6795	1.2327	3
9	-1	-8	21.6051	1.2500	2
-9	-1	8	22.0656	1.1900	1
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-9	1	8	18.8941	1.2305	1
9	1	-8	15.1115	1.2180	2
-9	-1	9	1.11006	0.60334	1
-9	-1	9	1.79810	0.67255	3
9	-1	-9	1.31304	0.79481	2
-9	1	9	1.62774	1.08033	3
9	1	-9	0.46379	0.50219	2
-9	1	9	2.63785	0.67468	1
-9	-1	10	14.8076	1.0683	3
-9	-1	10	12.9659	1.0769	1
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-9	1	10	13.1813	1.3541	3
-9	-1	11	2.11508	0.67398	3
-9	-1	11	1.59986	0.72015	1
-9	1	11	1.52497	1.07335	3
-9	1	11	2.09612	0.75863	1
-9	-1	12	30.5518	2.4273	3
-9	-1	12	34.8364	1.8224	1
-9	1	12	31.2693	1.8369	1
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-9	-1	13	18.7006	1.3392	1
-9	-1	13	17.8968	1.7907	3
-9	1	13	16.6177	1.3617	1
-9	1	13	20.3010	1.7639	3
-9	-1	14	10.8559	4.0697	3
-9	-1	14	9.62416	1.06618	1
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-9	1	14	10.0393	1.1582	1
-9	-1	15	4.14137	1.11079	3
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-9	-1	16	6.32482	1.08245	1
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9	-2	13	36.5968	2.5754	1
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9	2	12	-0.4148	0.6503	1
9	-2	11	42.7215	2.6161	1
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9	-2	10	20.0958	2.4806	1
9	2	10	15.7392	1.0441	1

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9	2	6	4.15258	0.42105	1
9	-2	5	19.3542	0.9750	1
9	-2	4	35.8998	1.7361	3
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-9	2	2	7.83174	0.68153	3
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-9	-2	3	76.1779	3.8768	2
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-9	-2	6	4.06785	0.57088	2
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-9	2	6	3.87552	0.50116	2
-9	2	6	3.65070	0.56257	1
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-9	-2	7	18.6285	1.1130	1
-9	-2	7	18.2767	1.2010	3
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9	-2	-7	19.0293	1.2624	3
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-9	2	7	17.2650	1.8352	3
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-9	2	12	0.51844	1.75150	1
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-9	-2	13	39.0035	2.0511	1
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-9	2	15	21.4992	1.6191	1
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9	-3	-4	8.11517	0.82905	3
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-9	-3	6	1.28909	0.56149	3
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9	4	2	0.38755	0.42476	3
9	4	2	0.71354	0.60530	3
-9	4	-2	1.16990	0.64921	3
-9	-4	-1	118.078	5.669	3
9	-4	1	107.397	5.080	1
9	-4	1	117.250	5.682	3
-9	4	-1	124.769	5.689	3
9	4	1	113.086	8.202	3
-9	-4	0	0.56349	0.37288	2
9	-4	0	0.81499	0.44590	3
9	-4	0	0.87551	0.25012	2
9	-4	0	2.24412	0.62068	1
-9	-4	0	0.75124	0.53648	3
9	-4	0	0.54473	0.40003	3
9	4	0	1.03762	0.21666	2
-9	4	0	1.61612	0.32925	2
9	4	0	0.23244	0.39900	3
-9	4	0	0.48601	0.56053	3
9	4	0	0.90918	0.64560	3
9	-4	-1	113.916	5.455	2
-9	-4	1	119.670	5.658	3
9	-4	-1	107.520	5.084	1
9	-4	-1	117.491	5.659	3
-9	-4	1	117.231	5.441	2
9	4	-1	124.087	6.038	3
9	4	-1	109.956	5.398	2
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9	4	-1	123.578	6.084	3
-9	4	1	111.365	5.410	2
-9	-4	2	1.21158	0.42946	2
9	-4	-2	0.30598	0.41616	1
9	-4	-2	1.35594	0.46191	3
-9	-4	2	1.06687	0.44274	3
9	-4	-2	0.86542	0.31475	2
-9	4	2	1.03605	0.66856	2
9	4	-2	0.79926	0.57397	2
-9	4	2	0.52310	0.72550	3
9	4	-2	0.13086	0.99176	3
9	-4	-3	666.049	31.083	3
-9	-4	3	627.813	29.912	2
9	-4	-3	602.698	28.221	1
-9	-4	3	661.831	27.863	1
-9	-4	3	662.734	31.078	3
9	-4	-3	650.216	30.309	2
-9	4	3	624.505	29.993	2
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9	4	-3	667.535	30.244	2
9	4	-3	675.656	31.427	3
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9	-4	-4	8.58338	0.83107	1
-9	-4	4	9.80137	0.81118	2

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-9	-4	4	7.30712	0.78553	3
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9	4	-4	8.72137	0.74020	2
-9	4	4	8.30591	0.73266	2
-9	4	4	7.94371	0.81048	3
9	4	-4	11.1523	1.6893	3
9	-4	-5	387.027	17.273	1
9	-4	-5	383.867	18.485	2
-9	-4	5	406.548	17.582	1
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9	-4	-5	413.764	19.325	3
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-9	-4	6	15.6627	1.8881	1
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9	-4	-6	11.2313	1.0468	2
9	-4	-6	11.6701	1.0092	1
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-9	-4	7	731.265	31.638	1
-9	-4	7	767.142	35.760	3
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-9	-4	8	0.70800	0.61843	3
9	-4	-8	-0.2211	1.1869	1
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-9	-4	9	0.67693	1.17963	1
9	-4	-9	2.29357	0.88872	1
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-9	4	9	0.95794	1.04886	3
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-9	-4	10	7.44988	0.81844	3
-9	4	10	6.59440	1.12608	3
-9	-4	11	113.479	5.303	1
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-9	4	11	121.425	6.236	3

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-9	4	12	3.87877	1.44198	3
-9	-4	13	5.65762	0.91122	3
-9	-4	13	5.72132	1.74218	1
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-9	4	13	6.29114	1.45975	3
-9	-4	14	0.06167	1.10107	3
9	-4	-14	0.32571	1.61839	1
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-9	4	14	0.20141	1.01657	3
9	-4	-15	3.39592	1.05037	1
-9	-4	15	1.67320	0.85868	1
-9	-4	16	3.82278	0.98316	1
9	-4	-16	3.20560	1.72374	1
-9	-4	17	16.6643	1.4732	1
9	-5	16	6.80248	1.11987	1
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9	-5	14	9.81851	1.03812	1
-9	-5	-14	9.75067	1.95504	1
-9	-5	-13	3.09374	1.99564	1
9	-5	13	1.41170	1.33550	1
9	-5	12	3.76315	0.80512	1
-9	-5	-12	3.02380	2.00379	1
-9	-5	-11	95.1900	5.3541	1
9	-5	11	92.4144	4.2273	1
-9	-5	-10	8.52539	1.03839	1
9	-5	10	9.33988	0.92604	1
-9	-5	-9	5.58658	1.12026	1
9	-5	9	10.2393	1.2972	1
-9	-5	-7	189.561	8.332	1
9	-5	7	194.726	8.352	1
9	-5	6	15.5280	0.9555	3
9	-5	6	16.2438	1.2406	1
9	-5	6	15.5230	1.6591	3
9	-5	5	14.2944	0.8939	3
9	-5	5	15.6366	1.1707	1
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-9	5	0	0.35902	0.29620	2
9	5	0	-0.2111	0.3900	3
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9	-5	-3	28.6719	1.8964	3
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-9	-5	5	12.2126	0.9492	3
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-9	-5	5	13.2897	1.0755	2
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-9	5	5	6.57177	1.30037	3
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-9	5	10	9.77336	1.30017	3
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-9	-6	-12	5.65103	0.91069	1
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-9	-6	-11	20.1697	1.6546	1
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9	6	-3	0.25205	1.15638	3
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9	-6	-5	0.18349	1.16755	2
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9	-6	-6	3.34920	0.70183	3
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9	-6	-6	2.88096	0.69734	1
9	-6	-6	4.52084	0.65723	2
9	6	-6	3.76576	1.66445	3
-9	6	6	3.73894	0.92165	2
-9	6	6	3.33933	0.82733	3
9	6	-6	3.19535	0.54029	2
9	-6	-7	5.12474	1.94021	1
-9	-6	7	4.88850	0.73545	3
9	-6	-7	5.13241	0.71472	2
-9	-6	7	5.76350	0.62708	1
-9	-6	7	4.98738	0.47323	2
-9	6	7	5.65329	0.86213	3
9	6	-7	5.75157	0.98834	2
-9	-6	8	3.58357	0.95744	3
9	-6	-8	3.44328	0.79787	1
-9	-6	8	3.77595	0.62583	1
9	-6	-8	1.73503	0.63480	2
-9	6	8	2.63254	1.14688	3
9	6	-8	3.54849	0.54975	2
9	-6	-9	-0.3442	0.5805	2
9	-6	-9	-0.8329	0.7417	1
-9	-6	9	-0.1362	1.1556	3
-9	-6	9	-0.4737	1.2411	1
9	6	-9	0.03729	0.49068	2
-9	6	9	0.35958	1.35748	3
-9	-6	10	-0.7412	0.6279	3
9	-6	-10	0.82843	0.83445	1
-9	-6	10	0.47925	0.79795	1
9	6	-10	0.47303	0.52005	2
-9	6	10	1.40646	1.35793	3
9	-6	-11	19.7783	1.5389	1

-9	-6	11	21.5893	1.5459	1
-9	-6	11	21.0863	1.3904	3
-9	6	11	22.4826	1.6733	3
-9	-6	12	3.42851	1.04351	3
-9	-6	12	4.26999	1.63073	1
9	-6	-12	4.48868	0.99259	1
-9	6	12	3.79742	0.91671	3
-9	-6	13	10.9799	1.0316	3
-9	-6	13	10.4169	1.3510	1
9	-6	-13	12.5258	1.4178	1
-9	6	13	11.6240	1.1888	3
-9	-6	14	2.75668	0.97727	1
-9	-6	14	4.96959	0.78859	3
9	-6	-14	6.09295	1.27763	1
-9	6	14	4.07986	0.84907	3
9	-6	-15	14.0653	1.4806	1
-9	-6	15	14.0408	1.3307	1
-9	-6	16	7.30231	1.11204	1
9	-6	-16	9.86425	1.33368	1
9	-7	16	6.73369	1.88306	1
9	-7	15	6.66321	2.79953	1
9	-7	14	8.77681	1.04842	1
9	-7	13	28.7869	1.7180	1
9	-7	12	18.9613	2.3857	1
9	-7	11	5.58822	0.80385	1
-9	-7	-11	2.63786	0.80991	1
-9	-7	-10	8.71927	1.44497	1
9	-7	10	8.04971	0.81962	1
9	-7	9	43.5751	2.1623	1
-9	-7	-9	45.0573	2.9603	1
9	-7	8	16.7421	1.1320	1
-9	-7	-8	19.1225	1.1468	1
9	-7	7	2.44763	0.62688	3
9	-7	7	1.70678	0.52962	1
9	-7	7	1.81598	0.43954	3
-9	-7	-7	1.69544	1.01233	1
-9	-7	-6	17.3208	1.0806	1
9	-7	6	19.8422	1.2147	3
9	-7	6	18.3513	1.2527	1
9	-7	6	20.0938	1.3882	3
9	7	6	18.8037	1.1041	3
9	7	6	19.0254	1.1983	3
9	-7	5	16.4453	1.0486	3
9	-7	5	15.6215	1.0639	3
-9	-7	-5	16.9189	0.9159	1
9	-7	5	11.0475	1.6480	1
9	7	5	13.6903	1.0854	3
9	7	5	15.2707	1.6717	3
-9	-7	-4	10.4405	0.6904	1
9	-7	4	8.53278	0.84145	3
9	-7	4	10.1578	0.7816	1
9	-7	4	11.0411	0.8932	3
9	7	4	10.7087	0.8292	3
9	7	4	5.96989	1.14682	3

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-9	-7	-3	27.8475	2.1965	3
9	7	3	24.2106	2.0934	3
-9	7	-3	26.4450	2.2173	3
9	7	3	30.9028	1.6668	3
9	-7	2	26.0433	1.4568	3
9	-7	2	24.0637	1.5074	1
9	7	2	23.5115	1.8698	3
-9	7	-2	24.6095	1.3126	2
9	7	2	25.3266	1.3954	3
-9	7	-2	25.3341	1.9495	3
9	-7	1	12.0724	0.7887	2
9	-7	1	12.1799	1.0730	1
-9	-7	-1	8.23183	3.32986	3
9	-7	1	12.6247	0.9856	3
9	-7	1	12.2381	0.9566	3
-9	7	-1	12.9044	0.8218	2
9	7	1	6.76829	1.24521	3
9	7	1	14.7605	1.1618	3
9	-7	0	4.97019	0.89226	3
-9	-7	0	2.45873	0.55949	2
9	-7	0	2.81538	0.43161	2
-9	-7	0	4.83640	0.84985	3
9	-7	0	7.79380	0.70033	1
-9	7	0	4.21928	1.07104	3
9	7	0	5.02824	0.60920	3
9	7	0	4.85493	0.72126	3
-9	7	0	7.61916	0.61204	2
9	-7	-1	6.31206	1.32074	2
9	-7	-1	12.6097	0.9179	1
-9	-7	1	13.0180	0.6803	1
9	-7	-1	9.47558	0.90464	3
-9	-7	1	12.8870	0.9280	3
-9	-7	1	9.69679	1.01003	2
9	7	-1	13.3792	1.2282	3
9	7	-1	11.7879	0.7501	2
-9	7	1	6.65821	1.15829	3
-9	7	1	13.0670	0.8084	2
-9	-7	2	16.8714	1.4287	2
-9	-7	2	15.1876	5.0805	3
9	-7	-2	24.0886	1.6701	2
9	-7	-2	23.8049	1.7405	1
9	-7	-2	22.0340	1.3724	3
-9	-7	2	23.6317	1.2924	1
9	7	-2	22.9593	1.2305	2
9	7	-2	23.1602	1.4420	3
-9	7	2	24.7537	1.7696	3
-9	7	2	24.1848	1.2692	2
-9	-7	3	28.4473	1.3349	1
-9	-7	3	28.2031	1.6724	2
9	-7	-3	27.6865	1.4871	1
9	-7	-3	27.3813	1.5655	2

9	-7	-3	25.2210	1.5922	3
-9	-7	3	27.8853	1.5746	3
-9	7	3	27.7785	1.9754	3
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9	7	-3	28.2569	1.9548	3
9	7	-3	25.7338	1.6310	2
-9	-7	4	6.91490	0.81254	2
9	-7	-4	5.96731	1.32950	2
-9	-7	4	4.90448	0.70350	1
-9	-7	4	8.62251	0.80039	3
9	-7	-4	4.47451	0.67048	3
9	-7	-4	7.19158	1.25352	1
9	7	-4	6.11868	1.14689	3
9	7	-4	4.19588	0.95739	2
-9	7	4	5.61585	1.20600	3
9	-7	-5	15.7832	1.1608	2
-9	-7	5	11.4328	1.6112	3
9	-7	-5	15.9886	1.1146	1
9	-7	-5	13.7564	1.1048	3
-9	-7	5	14.8021	1.1494	1
-9	-7	5	14.7876	1.2304	2
9	7	-5	12.2857	0.9925	2
-9	7	5	9.01951	1.54774	3
9	7	-5	15.9219	1.6578	3
-9	7	5	15.2650	0.9608	2
9	-7	-6	17.7342	1.2793	2
-9	-7	6	18.2699	1.0451	1
-9	-7	6	18.8252	1.4756	2
9	-7	-6	15.9415	1.2343	3
-9	-7	6	16.0546	1.1811	3
9	-7	-6	12.1916	2.0730	1
-9	7	6	17.8000	1.4993	3
-9	7	6	17.7310	1.0512	2
9	7	-6	14.5614	2.0639	3
-9	-7	7	1.66703	0.59988	1
-9	-7	7	1.99655	0.40401	2
9	-7	-7	1.89147	0.70992	1
-9	-7	7	3.23512	0.45064	2
9	-7	-7	2.74741	0.66806	2
-9	-7	7	1.29415	0.62743	3
-9	7	7	1.69998	1.50423	3
9	7	-7	1.27512	0.51639	2
-9	-7	8	15.3361	1.1653	3
-9	-7	8	15.8411	1.0577	1
9	-7	-8	16.3477	1.3308	1
9	-7	-8	16.0023	1.3294	2
-9	7	8	11.7636	2.0147	3
9	7	-8	15.6710	1.4403	2
9	-7	-9	42.3149	3.9298	1
9	-7	-9	41.8979	2.2855	2
-9	-7	9	43.6435	2.5628	3
-9	-7	9	40.7647	2.0527	1
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-9	-7	10	7.84723	1.28122	1
-9	-7	10	7.78252	0.93028	3
9	7	-10	6.58111	0.71822	2
-9	7	10	6.86081	0.94609	3
-9	-7	11	3.53246	1.37950	1
9	-7	-11	3.18826	0.93599	1
-9	-7	11	3.05148	0.73981	3
-9	7	11	2.92533	0.88509	3
-9	-7	12	20.5738	1.3190	3
9	-7	-12	18.5349	1.5959	1
-9	-7	12	19.5830	1.8863	1
-9	7	12	17.6923	1.5380	3
-9	-7	13	26.9938	2.0153	3
-9	-7	13	27.8052	2.4439	1
9	-7	-13	26.2288	1.8184	1
-9	7	13	25.8975	1.8199	3
-9	-7	14	8.12419	1.27474	1
9	-7	-14	8.16047	1.27588	1
-9	-7	14	10.1510	1.0071	3
-9	7	14	9.71502	1.82102	3
-9	-7	15	7.60056	1.16029	1
9	-7	-15	7.15896	1.27323	1
9	-7	-16	3.40952	1.23736	1
-9	-7	16	5.15260	1.16641	1
9	-8	16	3.60329	2.34751	1
9	-8	15	2.98212	0.94179	1
9	-8	14	1.86111	0.91084	1
9	-8	13	2.74476	0.89410	1
9	-8	12	34.0559	1.8933	1
9	-8	11	0.17418	1.15696	1
9	-8	10	8.18777	0.88534	1
-9	-8	-10	6.21365	0.79118	1
9	-8	9	5.45432	0.74825	1
-9	-8	-9	4.42825	0.76911	1
9	-8	8	611.231	26.225	1
-9	-8	-8	607.123	26.504	1
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9	-8	7	29.9055	1.5158	1
9	-8	6	3.47953	0.59383	3
-9	-8	-6	1.95933	0.51850	1
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9	8	6	2.67086	0.56553	3
9	8	6	5.27916	1.24689	3
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9	8	5	5.07180	1.36020	3
9	8	5	5.58793	1.02780	3
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-9	-8	-4	558.431	24.522	1
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-9	-8	-3	0.60607	0.37738	1
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-9	8	-3	1.61236	0.63097	3
-9	8	-3	0.68363	0.36273	2
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-9	-8	-2	6.29588	0.60420	2
-9	-8	-2	7.79227	1.48713	3
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9	-8	2	5.09255	0.68420	3
9	-8	2	4.89229	1.05043	1
9	8	2	4.70356	1.31471	3
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9	-8	1	28.6337	1.4533	2
-9	-8	-1	27.5555	1.2992	1
-9	-8	-1	27.6958	1.5837	3
9	-8	1	25.6190	1.4177	1
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9	-8	1	27.1092	1.5691	3
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-9	-8	0	0.22210	0.55366	2
9	-8	0	0.70427	0.31514	2
9	-8	0	1.07302	0.64716	3
-9	8	0	0.10789	0.77603	3
9	8	0	0.05987	0.86680	3
-9	8	0	-0.1044	0.3898	2
9	8	0	0.42026	0.47557	2
9	-8	-1	26.9333	1.4617	2
-9	-8	1	27.0746	2.1750	3
-9	-8	1	25.3831	1.6501	2
-9	-8	1	26.2485	1.3033	1
9	-8	-1	27.7888	1.9526	3
9	-8	-1	27.7996	1.4614	1
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-9	8	1	29.1602	1.4499	2
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9	-8	-2	6.92874	1.38803	3
9	-8	-2	8.22453	0.69635	2
-9	-8	2	6.73062	0.55170	1
9	-8	-2	5.46925	0.70819	1
-9	-8	2	7.39950	0.83191	2
9	8	-2	4.48564	0.88334	2
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-9	8	2	7.68377	0.68916	2
-9	8	2	4.94941	1.58166	3
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9	8	-3	1.18361	0.67781	3
-9	8	3	0.52760	0.51837	2
9	-8	-4	612.321	28.517	3
-9	-8	4	577.122	27.458	2
-9	-8	4	606.904	28.507	3
9	-8	-4	577.957	25.603	1
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-9	8	4	576.993	27.374	2
9	8	-4	649.051	27.432	2
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-9	-8	5	6.52928	0.76868	3
9	-8	-5	5.20769	0.76828	3
9	-8	-5	6.58401	0.80118	1
-9	-8	5	5.18585	1.05692	1
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9	8	-5	5.31472	0.72954	2
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9	8	-5	5.54956	0.98743	3
-9	-8	6	2.71482	0.87793	2
9	-8	-6	3.05161	0.73030	1
-9	-8	6	2.02265	0.85989	1
-9	-8	6	1.52603	0.80075	3
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-9	8	6	3.23299	0.52636	2
-9	8	6	1.83424	0.93328	3
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-9	-8	7	30.5097	1.5726	1
9	-8	-7	30.4983	2.0510	1
-9	-8	7	29.6195	1.6608	2
-9	-8	7	31.3035	1.7475	3
9	-8	-7	26.8888	1.8405	2
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9	8	-7	31.0612	2.4931	2
-9	-8	8	598.831	26.107	1
-9	-8	8	615.237	29.036	3
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9	-8	-8	564.445	27.930	2
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-9	8	8	607.871	29.085	3
-9	-8	9	4.98144	4.05759	3
9	-8	-9	4.88517	0.79768	2
9	-8	-9	6.71535	0.93340	1
-9	-8	9	5.12972	0.73785	1
-9	8	9	5.84788	1.39714	3

9	8	-9	5.15723	0.67878	2
9	-8	-10	6.72650	1.01592	1
-9	-8	10	6.64115	0.83978	1
-9	-8	10	7.29685	0.87987	3
9	8	-10	7.64726	1.07143	2
-9	8	10	5.49160	1.79621	3
9	-8	-11	0.06927	1.35627	1
-9	-8	11	0.49465	1.21108	1
-9	-8	11	-0.7210	1.1532	3
-9	8	11	-0.1430	1.1014	3
-9	-8	12	30.0835	2.6149	1
9	-8	-12	37.1813	4.3245	1
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-9	-8	13	3.70994	1.04980	1
9	-8	-13	3.01393	2.80714	1
-9	-8	13	3.59281	0.81328	3
-9	8	13	3.91556	1.03500	3
-9	-8	14	1.30997	1.75580	1
9	-8	-14	4.43446	2.94016	1
-9	-8	15	3.88811	1.66179	1
9	-8	-15	1.41696	2.91420	1
-9	-8	16	5.31879	1.62895	1
9	-8	-16	3.18020	3.24903	1
9	-9	15	1.43278	0.94256	1
9	-9	14	3.11164	0.94588	1
9	-9	13	6.47820	1.56493	1
9	-9	12	14.3145	1.2268	1
9	-9	11	2.48652	0.75230	1
9	-9	10	11.8875	1.0600	1
9	-9	9	11.4717	1.0039	1
9	-9	8	5.61901	0.73302	1
9	-9	8	6.77294	0.66276	3
-9	-9	-8	4.87956	0.69356	1
9	-9	7	19.4904	1.5379	3
-9	-9	-7	19.4627	1.2015	1
9	-9	7	20.2514	1.1991	1
9	9	7	20.0696	1.7864	3
-9	-9	-6	20.2716	1.5273	1
9	-9	6	20.3045	1.1947	1
9	-9	6	20.9113	1.2911	3
9	9	6	19.6144	1.7942	3
-9	-9	-5	9.80523	0.80098	1
9	-9	5	8.60505	1.04263	3
9	-9	5	10.0818	0.8523	1
9	9	5	7.62185	1.26147	3
-9	-9	-4	10.3786	0.9132	1
9	-9	4	10.8989	0.9111	3
9	-9	4	10.3333	0.8335	1
9	9	4	5.14751	1.38660	3
9	-9	3	18.5802	1.0750	1
-9	-9	-3	17.3170	1.2201	1
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-9	-9	-2	2.96180	0.45968	1
9	-9	2	2.03352	0.90720	1
-9	-9	-2	0.74888	0.54845	2
9	-9	2	3.08299	0.63744	3
-9	9	-2	1.78262	0.42256	2
-9	9	-2	1.82763	1.31556	3
9	9	2	1.74210	1.10406	3
9	-9	1	14.0609	1.0546	3
9	-9	1	14.8967	0.9229	2
9	-9	1	12.5659	1.1308	1
-9	-9	-1	15.2536	0.8551	1
-9	-9	-1	10.0716	1.5692	3
9	9	1	13.9460	1.2729	3
-9	9	-1	12.5733	1.1905	3
-9	9	-1	14.9139	0.9627	2
9	-9	0	4.26972	0.68700	3
9	-9	0	5.29164	0.64783	1
-9	-9	0	1.95668	0.66231	2
-9	-9	0	4.57590	0.45578	1
9	-9	0	2.71478	0.71141	2
-9	-9	0	1.72873	0.70266	3
9	9	0	3.85946	0.37470	2
-9	9	0	4.18918	0.50243	2
-9	9	0	3.58763	1.23910	3
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-9	-9	1	13.9002	1.1243	3
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9	-9	-1	14.9061	1.2387	2
-9	-9	1	14.1286	1.3365	1
-9	9	1	13.5113	1.2053	3
9	9	-1	9.69423	1.57189	3
-9	9	1	15.1152	0.9931	2
9	9	-1	15.0281	0.9115	2
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9	-9	-2	2.17648	1.28159	3
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-9	-9	2	1.18387	0.63355	3
-9	-9	2	1.42255	0.72891	2
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-9	9	2	2.31822	0.46879	2
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9	-9	-3	11.8799	1.8242	2
-9	-9	3	17.0644	1.3865	2
-9	-9	3	16.6774	1.2165	3
9	-9	-3	16.5838	1.4784	1
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9	-9	-5	4.86212	0.86916	3
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-9	-9	6	18.4124	1.3259	2
-9	-9	6	18.8498	1.3291	3
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-9	-9	8	5.24185	0.79787	3
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-9	9	8	6.22932	1.63362	3
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-9	-9	9	7.83197	1.34270	3
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-9	-9	10	8.87403	1.55245	3
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-9	9	10	8.51969	1.46814	3

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-9	9	11	1.71946	0.82855	3
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-9	-9	12	14.0679	1.2862	3
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-9	-9	13	5.95033	1.05714	1
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-9	9	13	5.35453	1.01423	3
-9	-9	14	2.80654	0.86666	1
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-9	-9	15	2.56284	1.66175	1
9	-9	-15	2.76157	1.12765	1
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-9	-10	-6	4.31873	1.03066	1
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-9	-10	-3	65.1828	3.0994	2
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9	10	2	24.6671	1.8918	3

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-9	-10	-1	7.01063	0.68375	1
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9	10	1	7.17143	1.81312	3
-9	10	-1	7.75332	1.65552	3
-9	10	-1	7.12554	0.63808	2
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-9	-10	0	11.0081	1.3274	3
-9	-10	0	9.14078	0.74816	1
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-9	-11	6	14.4673	1.1762	3
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-9	11	6	14.6425	1.9255	3
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-9	-11	11	36.6610	2.0113	1
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-9	-11	12	22.8506	1.5728	3
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9	12	8	-0.2351	1.0199	3
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9	-14	-2	10.9430	1.8792	2
9	-14	-2	10.6209	1.1256	1
-9	-14	2	10.2804	1.6349	1
-9	14	2	9.36895	0.93647	2
-9	14	2	11.6174	2.1118	3
9	14	-2	10.7315	1.3167	3
9	14	-2	11.0109	1.5023	2
9	-14	-3	30.6353	3.0926	1
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-9	-14	3	25.1506	1.7037	2
-9	-14	3	21.9260	1.3810	1
-9	-14	3	30.7458	10.6093	3
9	14	-3	28.5288	3.2905	3
-9	14	3	24.8097	2.6360	3
9	14	-3	23.7399	1.3941	2
-9	14	3	21.9504	1.4115	2
-9	-14	4	20.5967	2.0408	3
-9	-14	4	19.2243	1.2800	1
9	-14	-4	21.5719	1.5370	1
9	-14	-4	20.9236	1.6395	2
-9	-14	4	20.0179	1.5667	2
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-9	-14	5	4.83304	0.96352	3

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-9	-14	5	5.63220	0.88783	2
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9	-14	-6	13.9833	1.2505	1
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-9	-14	6	13.7300	1.0346	2
9	14	-6	10.5480	1.0875	2
-9	14	6	9.52702	0.99251	2
-9	14	6	13.0951	1.4396	3
9	-14	-7	3.30433	1.21648	1
9	-14	-7	2.47522	0.87704	2
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-9	-14	7	1.79361	0.85143	3
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9	-14	-8	11.1140	1.5120	1
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-9	-14	9	3.12385	1.78924	3
9	-14	-9	1.52788	0.87196	2
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9	-14	-10	0.66377	1.00163	1
-9	-14	10	1.11023	0.83420	1
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-9	-14	11	12.2362	1.3277	1
9	-14	-11	13.1415	1.3893	1
9	14	-11	13.5747	2.0051	2
9	-14	-12	0.84556	1.06487	1
-9	-14	12	1.12924	0.95078	1
9	14	-12	0.25363	1.15975	2
-9	-14	13	1.05336	0.96210	1
9	-14	-13	2.41216	1.93240	1
9	-15	12	4.13686	0.93054	1
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9	-15	9	52.5298	2.7827	3
9	-15	9	51.2477	2.6365	1

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9	-15	8	2.89209	0.76304	3
9	15	8	2.21790	1.04003	3
9	-15	7	1.09723	0.75401	1
9	-15	7	2.01740	0.77413	3
9	15	7	1.83186	1.01702	3
9	-15	6	7.40937	0.96877	3
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9	15	6	8.15178	1.96923	3
9	-15	5	13.0954	1.2146	3
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9	15	5	16.9798	1.5698	3
-9	15	-5	11.3219	1.6614	2
-9	-15	-4	3.41031	0.97160	2
9	-15	4	3.05610	0.84164	3
9	-15	4	3.48835	0.80013	1
9	15	4	4.02288	1.95324	3
-9	15	-4	4.03569	0.65460	2
-9	-15	-3	19.7843	1.2591	1
9	-15	3	17.6974	1.3276	1
9	-15	3	19.6431	1.5523	3
-9	-15	-3	17.1634	1.5242	2
-9	15	-3	19.3457	1.2771	2
9	15	3	19.2665	1.8966	3
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-9	-15	-2	17.8101	1.1957	1
-9	-15	-2	18.1283	1.5470	2
9	-15	2	17.4396	1.3872	3
9	15	2	18.2887	3.0716	3
-9	15	-2	17.8695	1.2441	2
-9	-15	-1	14.9713	1.0939	1
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9	-15	0	1.64844	1.04348	2
9	-15	0	2.04852	1.64999	1
9	-15	0	2.63468	0.87542	3
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9	15	0	1.93494	0.41324	2
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-9	-15	5	14.9124	1.4535	2
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9	-16	8	110.300	6.040	3
9	-16	8	142.043	6.160	1
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9	-16	7	17.6847	1.3126	1
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9	16	7	19.0993	1.9331	3
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9	-16	-4	84.1290	5.2839	1
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-9	16	5	1.87349	0.53321	2
-9	16	5	2.30908	1.03632	3
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-9	-17	-4	-0.1736	0.9589	2
-9	17	-4	2.70399	0.66570	2
9	17	4	1.85803	1.21288	3
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9	17	3	18.7587	3.4130	3
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9	-17	-4	2.13934	1.04547	1
9	-17	-4	1.18782	0.91453	2
9	17	-4	0.97774	0.62767	2
-9	17	4	1.74108	1.07913	3
-9	17	4	1.37765	0.56992	2
-9	-17	5	7.38065	0.94999	2
9	-17	-5	7.06942	1.57158	1
-9	-17	5	7.45806	0.92548	1
9	-17	-5	7.31977	1.11343	2
-9	17	5	6.95120	0.69111	2

-9	17	5	6.92723	1.21312	3
9	17	-5	7.27488	0.85693	2
-9	-17	6	18.5657	2.3556	1
9	-17	-6	16.3434	1.6052	1
-9	-17	6	17.1638	1.4302	2
-9	-17	6	17.1283	1.5529	3
9	-17	-6	18.4677	1.6655	2
9	17	-6	19.1270	1.3688	2
-9	17	6	18.4843	1.6137	3
9	-17	-7	18.1173	1.6898	2
9	-17	-7	15.5314	1.5103	1
-9	-17	7	18.4602	1.5766	1
-9	-17	7	17.8577	3.4612	3
-9	17	7	18.4320	1.6270	3
9	17	-7	17.7150	1.3366	2
-9	-17	8	0.48836	0.95831	3
9	-17	-8	0.50371	1.03551	1
9	-17	-8	-0.2044	0.9991	2
-9	-17	8	-0.1867	0.8566	1
9	17	-8	2.10610	0.76259	2
-9	17	8	2.24553	1.08268	3
9	-17	-9	11.3587	1.3373	1
9	-17	-9	9.87377	1.27631	2
-9	-17	9	10.2185	1.2782	3
-9	-17	9	10.4495	1.1638	1
9	17	-9	9.96616	1.03402	2
9	-17	-10	4.16499	1.77282	1
9	-17	-10	1.86446	1.07166	2
-9	-17	10	4.01891	0.97499	1
9	17	-10	3.52184	1.48912	2
-9	-17	11	-0.3365	0.9397	1
9	-17	-11	0.75266	1.07972	2
9	-17	-11	1.74256	1.26512	1
9	17	-11	0.29067	0.94120	2
9	-18	10	12.1603	1.2401	1
9	-18	9	1.55623	1.77518	1
9	-18	8	16.1447	1.9788	1
9	-18	7	15.9345	1.3372	1
9	-18	6	1.01812	1.65658	1
9	-18	6	3.67058	1.19919	3
-9	18	-6	3.59407	0.76863	2
9	18	6	2.59201	1.70366	3
9	-18	5	0.73085	0.87375	1
9	-18	5	0.34112	0.89672	3
-9	-18	-5	0.44961	1.03481	2
9	18	5	0.74097	1.97085	3
-9	18	-5	0.44179	0.64398	2
9	-18	4	20.0661	1.5174	1
9	-18	4	23.4964	1.6329	3
-9	-18	-4	21.6970	1.7813	2
-9	18	-4	20.5486	1.4268	2
9	18	4	23.3261	2.2021	3
9	-18	3	2.60989	0.88963	1
-9	-18	-3	2.02342	1.07191	2

9	-18	3	4.76332	1.64774	3
-9	18	-3	3.48499	0.74686	2
9	18	3	3.97692	2.76350	3
-9	-18	-2	16.0299	1.5852	2
9	-18	2	16.2873	1.4364	3
9	-18	2	16.0475	1.3789	1
9	18	2	17.6840	3.7417	3
-9	18	-2	14.8280	1.2182	2
9	-18	1	0.49153	0.87439	1
-9	-18	-1	1.12038	0.76147	1
9	-18	1	0.54920	1.12085	2
-9	-18	-1	-0.2474	0.9736	2
9	-18	1	1.50631	0.91031	3
-9	18	-1	0.34600	0.65796	2
9	18	1	0.60296	2.42148	3
9	-18	0	17.2162	1.1709	2
-9	-18	0	12.2633	1.2142	1
9	-18	0	16.1401	1.3432	1
-9	-18	0	16.3328	1.4560	2
9	-18	0	14.4354	1.4189	3
9	18	0	13.1262	0.9170	2
9	18	0	18.1031	3.6013	3
-9	18	0	11.5738	1.1794	2
9	-18	-1	1.10080	1.64516	1
-9	-18	1	0.52357	0.96203	2
9	-18	-1	-0.1752	0.7164	2
-9	-18	1	-0.2835	0.7608	1
9	18	-1	-0.3769	0.4934	2
-9	18	1	0.66484	0.63223	2
9	18	-1	0.40292	2.71578	3
-9	-18	2	16.4744	1.4544	2
-9	-18	2	15.1194	2.4270	1
-9	-18	2	16.7044	1.5400	2
9	-18	-2	17.4663	1.8975	1
9	-18	-2	15.0623	2.4755	2
-9	18	2	15.3878	1.2000	2
9	18	-2	15.3080	1.1154	2
-9	-18	3	3.62675	1.37700	2
9	-18	-3	2.99665	0.96582	2
9	-18	-3	2.32248	1.27321	1
-9	-18	3	4.46712	0.86049	1
-9	-18	3	2.74433	1.00454	2
-9	18	3	3.60590	0.68371	2
9	18	-3	3.12116	0.73498	2
-9	-18	4	22.2195	2.1512	1
-9	-18	4	23.5407	1.8023	2
9	-18	-4	24.3556	1.8368	2
9	-18	-4	22.4969	1.7357	1
9	18	-4	27.1279	2.9551	2
-9	18	4	22.5950	1.4148	2
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9	-18	-5	0.05438	1.06717	1
-9	-18	5	-0.0052	0.7884	2
9	-18	-5	0.50999	1.01674	2

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-9	-18	6	2.19085	0.75379	2
9	-18	-6	1.56034	1.12617	1
9	-18	-6	2.84198	1.07764	2
-9	18	6	1.85029	1.07123	3
9	18	-6	1.76307	0.76327	2
-9	-18	7	19.5798	10.1561	3
-9	-18	7	18.6704	2.4567	1
9	-18	-7	17.9529	1.5753	1
9	-18	-7	17.7428	1.7047	2
9	18	-7	16.2978	1.3683	2
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9	-18	-8	18.5869	1.5582	2
-9	-18	8	15.1889	1.5186	3
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9	18	-8	12.8272	1.2829	2
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-9	-18	9	2.58969	0.96008	1
9	-18	-9	2.79967	1.10604	2
9	18	-9	1.61785	0.80381	2
9	-18	-10	13.3562	1.4270	1
-9	-18	10	10.9346	1.2501	1
9	-18	-10	14.9613	1.4663	2
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9	-19	9	1.10624	1.71889	1
9	-19	8	3.90131	1.61851	1
9	-19	7	1.27975	0.90552	1
9	-19	6	5.88627	1.55169	1
-9	19	-6	6.49625	0.89148	2
-9	-19	-5	10.5244	2.2794	2
9	-19	5	11.7568	1.6381	3
9	-19	5	9.49038	1.18886	1
-9	19	-5	12.1205	1.1270	2
-9	-19	-4	2.76148	1.11988	2
9	-19	4	3.58412	0.97729	1
9	-19	4	3.42015	1.03472	3
-9	19	-4	2.34328	0.75333	2
9	19	4	1.63220	1.33161	3
9	-19	3	2.70857	0.94647	1
9	-19	3	0.17733	0.96805	3
-9	-19	-3	1.35640	1.06278	2
-9	19	-3	1.20410	0.72749	2
9	19	3	1.15375	2.62556	3
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-9	-19	0	26.6087	1.6759	1
9	-19	0	26.3291	1.7288	2
-9	-19	0	29.4111	1.9655	2
9	19	0	28.2050	4.3839	3
-9	19	0	25.8287	1.6509	2
9	-19	-1	0.82888	1.04279	1
-9	-19	1	0.78008	0.82188	1
-9	-19	1	0.05622	0.99236	2
-9	-19	1	-0.3786	0.9694	2
9	-19	-1	0.05371	0.78572	2
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9	19	-1	1.83948	2.97147	3
9	19	-1	-0.0726	0.5029	2
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9	-19	-2	25.9213	2.0166	1
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-9	19	2	24.3075	1.5964	2
9	19	-2	26.9020	1.4939	2
-9	-19	3	0.59856	0.84321	1
-9	-19	3	2.38228	0.96617	2
9	-19	-3	1.58617	1.14500	2
9	-19	-3	0.51430	1.04464	1
9	19	-3	1.27451	0.62322	2
-9	19	3	1.13470	1.09565	2
-9	-19	4	2.06008	0.92165	2
9	-19	-4	2.57506	1.05034	2
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-9	-19	5	10.5912	1.1247	2
9	-19	-5	11.6751	1.4091	1
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9	19	-5	11.8468	1.7815	2
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-9	-19	6	7.97169	1.15393	1
-9	19	6	3.84042	1.25237	3
9	19	-6	5.55042	0.83814	2
9	-19	-7	0.47336	1.11161	1
-9	-19	7	1.08956	8.48601	3
-9	-19	7	0.92717	1.53480	1
9	-19	-7	1.25870	1.10724	2
9	19	-7	0.83873	0.77061	2
9	-19	-8	5.39214	1.21857	1
9	-19	-8	4.68268	1.20690	2
-9	-19	8	4.05552	1.01711	1

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-9	20	-7	26.7751	1.6896	2
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-9	-20	-5	1.77442	1.32563	2
9	-20	5	1.86937	1.02710	1
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-9	-20	-4	3.43432	1.63129	2
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-9	20	-4	4.23391	0.84547	2
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-9	-20	-3	39.7284	2.4526	2
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-9	-20	-2	0.40567	1.04812	2
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-9	-20	0	1.82946	1.07562	2
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-9	-20	1	8.04733	1.25776	2
-9	-20	1	7.30277	1.04395	1
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-9	20	1	7.24658	0.89773	2
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-9	-20	2	0.20855	1.30834	1
-9	-20	2	1.45973	1.04171	2
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9	-20	-2	0.54620	0.90224	2
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9	20	-2	1.17254	0.61533	2
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-9	-20	3	42.2610	2.3952	2
-9	-20	3	36.5108	2.1369	1
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-9	20	3	38.1134	2.3492	2
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9	-20	-4	4.63930	1.14032	2
-9	-20	4	6.88500	1.04971	2
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9	-20	-5	1.91693	1.16702	1
-9	-20	5	2.22271	1.16034	1
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-9	-20	5	1.13849	0.87917	2
9	20	-5	1.74656	0.71871	2
9	-20	-6	18.6477	1.7808	2
-9	-20	6	17.4764	1.5111	1
9	-20	-6	17.2025	1.6935	1
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-9	-20	7	25.4979	2.1634	1
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9	20	-7	24.1765	1.6164	2
9	20	-8	0.25359	0.77459	2
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-9	-21	-6	7.61765	1.30956	2
-9	21	-6	8.57602	0.98875	2
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-9	-21	-5	2.82295	1.15941	2
-9	21	-5	1.90066	0.80377	2
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-9	-21	-4	3.14839	1.14203	2
-9	21	-4	4.50132	0.86415	2
-9	-21	-3	27.7055	2.0629	2
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-9	-21	-2	17.0273	1.7033	2
9	-21	2	18.2894	1.5868	1
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-9	21	-2	17.2413	1.3402	2
-9	-21	-1	5.38629	1.21060	2
9	-21	1	4.65031	1.12519	1
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-9	-21	3	29.9692	2.0768	2
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-9	21	3	30.0057	2.1481	2
9	21	-3	31.3308	1.7227	2
-9	-21	4	2.49327	0.98348	2
-9	-21	4	4.52020	1.23689	1
9	-21	-4	3.73499	1.26392	2
9	-21	-4	3.73243	1.20399	1
9	21	-4	3.76879	0.75763	2
-9	21	4	5.07961	0.70046	2
-9	-21	5	3.41952	0.90621	2
-9	-21	5	3.54135	1.13942	1
9	-21	-5	3.89543	1.16511	2
9	-21	-5	2.79535	1.67642	1
9	21	-5	4.24595	1.04723	2
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-9	-21	6	8.08852	1.23005	1
9	-21	-6	7.45934	1.31906	1
9	21	-6	7.52770	1.02469	2
-9	-22	-3	12.0032	1.4711	2
9	-22	3	9.50615	1.33286	1
-9	-22	-3	11.3730	1.4458	2
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-9	-22	-2	-0.8107	1.1082	2
-9	22	-2	0.28203	1.32202	2
-9	-22	-1	4.53489	1.37374	2
-9	-22	-1	5.14165	1.21472	2
9	-22	1	6.39892	1.21695	1
-9	22	-1	5.52983	0.87210	2
9	-22	0	59.0456	3.0660	1
-9	-22	0	59.2224	3.2629	2
-9	22	0	56.3767	2.9787	2
9	-22	-1	5.46357	1.12215	2
9	-22	-1	7.02160	2.18076	1
-9	-22	1	5.10867	1.15296	2
-9	22	1	6.03499	0.87164	2
-9	-22	2	0.72733	0.99239	2
9	-22	-2	0.85474	1.14693	1
9	-22	-2	0.34040	0.96417	2
9	22	-2	1.20980	0.60458	2
-9	22	2	1.11173	0.71153	2
9	-22	-3	14.8093	1.5041	2
9	-22	-3	13.0213	1.7500	1
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9	22	-3	10.0140	1.0859	2
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10	0	10	10.6938	1.4092	1
10	0	9	-0.6971	0.6632	1
10	0	8	116.434	5.194	1
10	0	7	-0.0673	0.3724	1
10	0	6	573.853	24.634	1
10	0	4	3238.51	161.83	3
10	0	4	3548.99	161.99	3
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10	0	2	17.8472	1.3286	3
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10	0	0	5278.66	244.23	2
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-10	0	6	588.271	26.844	3
10	0	-6	560.279	25.795	2
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-10	6	-2	1.00608	1.05452	3
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-10	-6	-1	27.0985	1.4143	2
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10	-6	-1	26.4846	1.3525	1
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-10	-6	10	6.09840	0.84270	3
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-10	-6	11	0.85357	0.71408	3
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-10	-8	6	218.124	10.870	2
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10	11	-3	20.0357	1.2523	2
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-10	-11	14	2.67467	0.96761	1
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10	-17	-7	2.40813	1.05766	2
-10	-17	7	3.92956	0.91047	1
-10	17	7	3.69492	1.12030	3
10	17	-7	3.70134	0.77040	2
-10	-17	8	1.19116	1.59671	3
10	-17	-8	4.19772	1.09770	2
10	-17	-8	1.55578	1.11092	1
-10	-17	8	0.44299	0.86217	1
-10	17	8	2.53223	1.11592	3
10	17	-8	2.58496	0.79159	2
-10	-17	9	1.43469	1.05690	1
10	-17	-9	1.32777	1.05266	2
10	-17	-9	1.00334	1.06688	1
10	17	-9	0.76769	0.78043	2
-10	-17	10	18.3352	2.1883	1
10	-17	-10	22.2330	1.8660	2
10	-17	-10	19.3683	2.9790	1
10	17	-10	20.7754	2.1091	2
10	-18	9	1.02393	1.57110	1
10	-18	8	0.85246	1.43819	1
10	-18	7	12.9482	1.2201	1
10	-18	6	17.1876	2.2151	1
-10	18	-6	17.8096	1.4069	2
10	-18	5	-0.4727	0.8620	1
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-10	18	-5	-0.8367	0.6498	2
-10	-18	-4	0.79831	1.04207	2
10	-18	4	3.28563	0.97541	3

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-10	18	-4	2.15541	0.72239	2
10	-18	3	1.54166	0.93280	3
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-10	-18	-3	0.87775	1.04170	2
10	18	3	1.83641	1.12846	3
-10	18	-3	0.88104	0.67647	2
10	-18	2	1.40353	0.90200	1
-10	-18	-2	0.30141	0.98757	2
10	-18	2	1.47703	1.70429	3
-10	18	-2	1.51175	0.69528	2
10	18	2	2.13528	1.56398	3
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-10	-18	-1	3.24866	1.06179	2
10	-18	1	3.52579	0.99907	3
-10	18	-1	3.33203	0.87525	2
10	18	1	3.47782	2.16045	3
10	-18	0	3.64825	0.96994	1
-10	-18	0	2.85689	1.10912	2
10	-18	0	2.98660	1.70015	2
10	-18	0	4.13789	1.04201	3
10	18	0	5.56701	2.23495	3
-10	18	0	3.19344	0.70414	2
10	-18	-1	2.47217	1.01458	2
-10	-18	1	2.19964	1.01630	2
10	-18	-1	3.19363	1.28265	1
-10	18	1	2.42840	0.68825	2
10	18	-1	3.32372	0.54548	2
10	18	-1	2.62908	2.22585	3
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-10	-18	2	-0.6585	0.9478	2
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10	18	-2	1.12761	0.53794	2
-10	18	2	0.66249	0.66923	2
-10	-18	3	0.74589	0.97262	2
-10	-18	3	0.45212	1.06766	1
10	-18	-3	0.81319	1.79914	1
10	-18	-3	0.00736	1.25173	2
-10	-18	3	0.29837	0.93684	2
10	18	-3	0.63295	1.11716	2
-10	18	3	0.60772	1.05819	2
10	-18	-4	2.38715	1.10277	1
10	-18	-4	3.21142	2.02957	2
-10	-18	4	1.00259	0.93883	2
-10	-18	4	1.49367	0.86152	1
-10	18	4	1.54570	0.60497	2
10	18	-4	1.48591	1.71848	2
10	-18	-5	-0.2756	1.0610	1
10	-18	-5	-0.1424	0.9761	2
-10	-18	5	0.55316	0.80894	1
-10	-18	5	-0.0230	0.8249	2
-10	18	5	0.01290	0.56051	2
10	18	-5	0.51933	0.68722	2

-10	-18	6	16.6811	1.3651	1
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10	-18	-6	17.2847	1.6979	2
-10	-18	6	18.7326	1.4972	2
10	18	-6	18.2893	1.3478	2
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-10	-18	7	12.7959	1.2652	1
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10	-18	-7	13.3851	1.4434	1
10	-18	-7	14.4902	1.4342	2
10	18	-7	12.5782	1.2333	2
-10	18	7	14.6920	1.5423	3
-10	-18	8	-0.1538	0.8726	1
-10	-18	8	1.16325	1.60175	3
10	-18	-8	0.22767	1.04799	2
10	-18	-8	-0.7627	1.0883	1
10	18	-8	-0.1090	0.7342	2
10	-18	-9	0.87175	1.07205	2
-10	-18	9	0.30020	1.66148	1
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10	18	-9	0.72114	0.78657	2
10	18	-10	15.4248	1.3469	2
10	-19	8	3.43188	1.56231	1
10	-19	7	1.45070	0.91910	1
10	-19	6	10.2215	1.7002	1
-10	19	-6	11.3955	1.1531	2
10	-19	5	2.25041	0.96504	1
-10	-19	-5	3.31667	1.18148	2
-10	19	-5	3.09046	0.78550	2
10	-19	4	7.56132	1.16139	3
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-10	-19	-4	5.20854	1.20249	2
10	19	4	5.89445	2.43147	3
-10	19	-4	5.43548	0.87669	2
-10	-19	-3	7.10671	1.62751	2
10	-19	3	7.78840	2.27663	3
10	-19	3	7.10781	1.07107	1
-10	19	-3	7.26770	0.89820	2
10	19	3	7.27867	1.32855	3
10	-19	2	5.24331	1.10332	3
10	-19	2	4.36303	1.02861	1
-10	-19	-2	3.98399	1.14542	2
10	19	2	7.79775	1.95207	3
-10	19	-2	4.91195	0.84229	2
10	-19	1	6.19539	1.11644	1
10	-19	1	8.96293	1.25480	3
-10	-19	-1	6.85552	2.02013	2
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-10	19	-1	7.15586	0.90011	2
10	-19	0	1.73891	1.88037	2
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-10	-19	0	1.85034	1.03173	2
10	19	0	2.65160	2.28465	3
-10	19	0	0.93019	0.69209	2

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-10	-19	1	7.28206	1.18973	2
10	19	-1	8.07480	0.76228	2
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-10	19	1	6.66342	0.85486	2
-10	-19	2	7.05068	1.14569	2
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10	-19	-2	4.50825	1.14681	1
-10	-19	2	5.89226	1.14290	2
-10	19	2	6.34518	0.84459	2
10	19	-2	7.32917	0.71087	2
10	-19	-3	6.82586	1.08009	2
10	-19	-3	7.54411	1.23440	1
-10	-19	3	8.09529	1.17831	2
-10	-19	3	8.47551	1.17439	2
-10	19	3	8.03808	0.89637	2
10	19	-3	6.38688	0.78990	2
-10	-19	4	6.70689	0.99806	1
-10	-19	4	6.76476	1.07306	2
10	-19	-4	6.02345	1.20911	1
10	-19	-4	6.23803	2.28883	2
10	19	-4	5.91973	0.79724	2
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10	-19	-5	3.00377	1.16856	1
-10	-19	5	3.90925	0.89356	2
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-10	19	5	1.83013	0.60502	2
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-10	-19	6	13.1717	1.0971	2
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-10	-20	-5	14.8856	1.5578	2
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-10	20	-5	11.4114	1.2097	2
-10	-20	-4	1.89759	1.13392	2
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-10	-20	-3	4.55477	1.96198	2
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-10	-20	-2	1.16542	1.05121	2
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-10	-20	-1	0.46969	1.05043	2
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-10	20	-1	-0.1437	0.7331	2
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-10	-20	4	2.69823	0.98621	2
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10	20	-5	10.2273	1.1089	2
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10	-20	-6	1.40582	1.18797	1
-10	-20	6	-0.4626	0.9210	1
10	20	-6	0.73963	1.48644	2
-10	-20	7	7.85103	1.17016	1
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10	20	-7	8.72044	0.97358	2
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-10	-21	-5	5.32365	1.39529	2
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-10	-21	-4	1.65514	1.11789	2
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-10	21	-4	3.11552	0.82110	2
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-10	-21	-3	0.24102	1.09115	2
-10	21	-3	2.48186	0.79970	2
-10	-21	-2	3.37413	1.15700	2
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-10	-21	3	0.26276	0.98716	2
10	-21	-3	-0.1890	0.9696	2
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10	21	-4	2.32472	0.73057	2
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-10	-21	5	6.41419	1.01190	2
10	-21	-5	5.53124	2.19659	1
10	21	-5	6.36614	1.63347	2
-10	-22	-2	1.83701	1.14884	2
-10	-22	-2	0.99127	1.09714	2
10	-22	2	-0.0185	1.0298	1
-10	22	-2	1.67597	0.80283	2
-10	-22	-1	16.6666	1.6728	2
-10	-22	-1	17.8465	1.6972	2
10	-22	1	16.8056	1.6357	1
-10	22	-1	18.7646	1.3661	2
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-10	-22	0	-1.7392	1.0313	2
-10	-22	0	-0.8227	1.1090	2

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-10	-22	1	20.4430	1.7708	2
10	-22	-1	22.8901	2.1316	2
-10	22	1	18.3811	1.4212	2
10	-22	-2	0.96539	1.16472	1
-10	-22	2	1.53158	1.03231	2
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11	0	2	1341.53	64.87	3
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11	0	1	0.13726	0.16239	3
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11	0	0	7.12136	0.70811	3
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-11	0	5	-0.2508	0.9469	1
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11	0	-6	82.0236	3.5838	2
-11	0	6	65.3700	3.1935	1
-11	0	7	-1.2069	0.5463	1
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-11	0	7	0.11551	0.51100	2
11	0	-8	179.828	8.905	2

-11	0	8	188.404	9.577	3
-11	0	8	183.458	8.040	1
-11	0	9	-0.3855	0.6661	1
11	0	-9	-1.5197	0.5417	2
-11	0	9	-0.3866	0.6344	3
-11	0	10	11.1069	1.0713	1
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11	0	-10	11.8313	1.1026	2
-11	0	11	-0.8747	0.8484	3
-11	0	11	0.10126	0.73672	1
-11	0	12	74.9750	3.7903	3
-11	0	12	72.5410	3.4811	1
-11	0	13	0.18284	0.83676	1
-11	0	13	-0.3352	0.9210	3
-11	0	14	37.0157	6.2590	3
-11	0	14	28.6518	1.8308	1
-11	0	15	-1.5876	0.9718	1
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-11	-1	-4	104.912	5.408	3
11	-1	4	109.940	5.388	3
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11	1	4	112.633	5.391	3
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11	-1	3	13.0418	0.8307	3
11	-1	3	13.8752	0.8506	3
11	1	3	12.2447	0.8528	3
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11	1	3	10.8528	0.9805	3
11	-1	2	35.9530	2.0079	3
11	1	2	36.9500	2.0066	3
11	1	2	39.8671	2.1246	3
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-11	-1	-1	11.6348	0.9053	3
11	-1	1	17.9273	1.5358	3
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-11	-15	4	4.58480	0.96783	2
11	-15	-4	2.33378	1.11472	1
11	-15	-4	3.04713	0.85986	2
11	15	-4	3.30043	0.67834	2
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-11	15	4	3.55050	1.09551	3
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-11	-15	5	10.4156	1.1155	2
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-11	15	5	10.1721	0.9563	2
11	-15	-6	10.1535	1.1930	2
-11	-15	6	10.8816	1.2077	3
11	-15	-6	7.55314	1.14176	1
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11	-15	-8	9.59121	1.73021	1
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11	-15	-9	5.17179	1.05918	2
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11	16	7	47.2742	2.7776	3
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11	-16	6	12.8874	1.2740	3
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11	-16	2	79.2246	3.8724	1
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-11	-16	-1	3.36289	1.02203	2
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11	16	1	4.12180	1.65466	3
-11	16	-1	3.54736	0.70846	2
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11	-19	-7	2.32813	2.04680	1
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11	19	-7	3.14381	0.81342	2
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-11	-19	8	8.67989	1.17740	1
11	-19	-8	8.23005	1.32360	1
11	19	-8	7.84231	0.99425	2
11	-20	6	-0.1575	2.1003	1
-11	20	-6	0.72684	0.79230	2
-11	-20	-5	0.33508	1.61505	2

11	-20	5	-1.4114	0.9482	1
-11	20	-5	0.88645	0.78687	2
11	-20	4	13.3835	1.3482	1
-11	-20	-4	16.6463	1.7296	2
-11	20	-4	11.4605	1.2308	2
11	-20	3	1.45899	0.98071	1
-11	-20	-3	1.07452	1.10555	2
-11	20	-3	1.45274	0.79587	2
11	-20	2	11.0289	1.4116	3
11	-20	2	10.4098	1.3177	1
-11	-20	-2	10.7272	1.7762	2
-11	20	-2	9.98795	1.42476	2
11	-20	1	3.28724	2.08619	3
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11	-20	1	3.25455	1.11930	1
11	20	1	2.37126	2.37711	3
-11	20	-1	2.60853	0.79642	2
11	-20	0	-0.6564	1.1412	1
-11	-20	0	1.58490	1.07746	2
-11	20	0	0.48684	0.72733	2
11	20	0	0.08187	2.23152	3
11	-20	-1	0.73558	2.15529	2
-11	-20	1	4.13864	1.10977	2
11	-20	-1	3.36421	1.14576	1
-11	20	1	1.21231	0.76913	2
-11	-20	2	10.1097	1.3057	2
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-11	-20	2	9.07067	1.30545	2
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11	20	-2	9.84394	0.92933	2
-11	-20	3	1.36760	1.04376	2
11	-20	-3	0.80156	1.01774	2
11	-20	-3	1.58996	2.27824	1
-11	20	3	0.93076	0.80242	2
11	20	-3	2.28259	0.65723	2
11	-20	-4	15.3271	1.4262	2
11	-20	-4	14.7341	1.5217	1
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-11	20	4	14.1064	1.1572	2
11	-20	-5	1.03143	1.03966	2
-11	-20	5	-0.9273	0.8573	2
11	-20	-5	0.34463	1.12807	1
11	20	-5	1.37407	0.71511	2
11	-20	-6	0.79457	1.17590	1
11	-20	-6	-0.4062	2.2126	2
11	20	-6	0.66168	1.03648	2
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-11	-21	-4	1.37534	2.11300	2
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11	-21	3	13.3608	1.3667	1
-11	-21	-3	11.6731	1.4182	2
-11	21	-3	11.1756	1.1265	2

-11	-21	-2	17.3365	1.7084	2
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11	-21	0	7.02276	1.22719	1
-11	-21	0	4.19602	1.16592	2
-11	21	0	4.44351	0.84717	2
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11	-21	-1	13.0881	1.4641	1
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11	-21	-2	17.2274	1.5710	2
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-11	-21	3	12.3345	1.3467	2
11	-21	-3	11.3783	1.5777	1
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-11	-21	4	1.43444	0.96470	2
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-12	0	-2	96.3649	4.5767	3
12	0	2	90.6432	5.1248	3
-12	0	-1	-0.1463	0.4761	3
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12	0	1	-0.0406	0.0958	3
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12	0	0	6.32106	0.72095	3
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-12	0	2	89.4576	4.5401	2
12	0	-2	82.7924	4.1801	2

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-12	0	4	1017.80	46.50	3
-12	0	4	956.358	44.712	2
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12	0	-4	979.234	44.684	2
-12	0	5	0.15935	0.53952	2
-12	0	5	0.36832	1.13145	3
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-12	0	5	0.19350	0.45653	1
12	0	-5	-0.0385	0.4770	2
12	0	-6	650.457	29.337	1
-12	0	6	716.782	32.665	3
-12	0	6	663.523	29.330	1
-12	0	6	678.420	31.412	2
12	0	-6	699.626	31.386	2
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12	0	-7	-0.1028	0.8986	2
12	0	-8	334.262	14.970	2
-12	0	8	316.948	16.137	3
-12	0	8	316.365	13.993	1
-12	0	9	0.29803	0.66128	3
-12	0	9	0.11015	0.68200	1
12	0	-9	0.42643	0.62547	2
12	0	-10	106.653	5.105	2
-12	0	10	107.739	5.811	3
-12	0	10	104.575	4.809	1
-12	0	11	0.59055	0.79342	1
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12	1	4	42.1160	2.2837	3
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-12	-1	0	-0.2068	0.4953	3
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12	-5	-8	16.0099	1.3095	2
-12	-5	8	14.7676	1.3236	1
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12	-8	-4	392.872	18.143	1
12	-8	-4	406.403	19.275	2
12	-8	-4	432.058	20.072	3
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12	8	-4	424.562	19.306	2
12	8	-4	424.052	21.385	3
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12	-8	-5	2.52573	0.68878	2
-12	-8	5	3.13401	0.75446	3
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12	-8	-5	2.47278	0.74904	3
12	-8	-5	2.83353	0.78148	1
12	8	-5	3.34626	1.86132	3
12	8	-5	2.81115	0.56677	2
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12	-8	-6	364.152	17.639	2
12	-8	-6	371.300	16.404	1
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-12	-8	7	0.55156	1.22081	3
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12	-8	-7	1.02336	0.70943	2
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12	8	-7	0.06150	0.54604	2
-12	-8	8	229.253	12.591	3
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-12	-8	8	221.852	9.764	1
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12	-8	-8	223.923	10.579	1
12	8	-8	234.484	10.397	2
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-12	-8	9	0.82534	0.74683	3
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12	-8	-9	0.94966	2.16425	1
12	8	-9	0.66065	1.43471	2
-12	8	9	0.97059	1.49555	3
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-12	-8	10	54.0026	2.8546	3
12	-8	-10	49.8706	2.8393	2
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12	-8	-15	3.42980	1.17956	1
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12	-9	0	0.50764	0.32909	2
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12	-14	-6	13.8436	1.2310	2
12	-14	-6	14.5457	1.2950	1
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12	14	-6	12.3416	1.0275	2
-12	14	6	9.68314	0.97159	2
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-12	-14	10	15.3330	1.4367	3
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12	-14	-10	15.9280	2.1106	1
12	-14	-10	17.8017	2.7673	2
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12	-14	-12	13.3440	1.4454	1
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12	-15	8	9.86776	1.60951	3
12	-15	8	13.5836	1.1724	1
12	15	8	11.5216	2.0288	3
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12	15	7	2.97306	1.31529	3
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12	-15	1	14.9933	1.3614	3
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12	-15	0	0.37748	0.86190	3
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12	-15	-1	15.9924	1.5957	3
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12	-15	-2	9.68761	0.99536	2
12	-15	-2	10.5329	1.2444	3
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-12	-15	5	8.39404	1.04200	2
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-12	-15	6	0.80833	1.00409	2
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12	18	-8	4.40229	0.85908	2
12	-19	7	3.03481	0.96805	1
12	-19	6	0.73103	2.03579	1
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12	-19	5	3.54462	1.00368	1
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12	-19	3	1.35755	0.96474	1
-12	-19	-3	0.84322	1.09182	2

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12	-19	2	26.6829	3.3866	3
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-12	19	-2	24.9661	2.2726	2
12	19	2	27.5449	2.2620	3
-12	-19	-1	1.64496	1.46004	2
12	-19	1	0.61039	1.01132	3
12	-19	1	1.51597	0.99587	1
12	19	1	2.30992	1.12751	3
-12	19	-1	1.25830	0.75454	2
12	-19	0	7.69008	1.80899	1
-12	-19	0	4.47192	1.17992	2
-12	19	0	6.85300	0.89283	2
12	19	0	10.0362	1.4475	3
12	-19	-1	0.78842	0.71733	2
-12	-19	1	0.55411	1.05495	2
12	-19	-1	1.13688	1.06868	1
12	19	-1	2.19486	1.36399	3
-12	19	1	1.06146	0.74062	2
-12	-19	2	26.7247	1.9456	2
12	-19	-2	24.1441	2.3485	1
12	-19	-2	26.8563	3.4908	2
12	19	-2	27.5834	1.5152	2
-12	19	2	26.3238	1.6605	2
12	-19	-3	0.33095	0.92778	2
-12	-19	3	0.47821	1.02437	2
-12	-19	3	1.54215	1.01310	2
12	-19	-3	0.66909	1.21886	1
-12	19	3	0.26848	0.79524	2
12	19	-3	1.50666	0.62733	2
-12	-19	4	30.6729	2.0607	2
12	-19	-4	28.3410	2.3697	2
12	-19	-4	28.7734	2.5671	1
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12	-19	-5	2.41211	1.04451	2
-12	-19	5	2.10922	0.95973	2
12	-19	-5	3.50855	1.20318	1
12	19	-5	2.82513	1.95722	2
-12	19	5	3.02518	0.68703	2
12	-19	-6	1.71203	1.18034	1
12	-19	-6	1.63774	1.01913	2
-12	-19	6	1.62670	0.83375	2
12	19	-6	1.15347	0.73875	2
12	-19	-7	2.50330	1.09918	2
12	-19	-7	3.24570	2.46059	1
12	19	-7	2.14748	0.79634	2
-12	-20	-5	2.08959	1.19843	2
12	-20	5	1.10925	0.96787	1
-12	20	-5	1.01320	0.77575	2
-12	-20	-4	2.74769	1.18581	2
12	-20	4	2.18495	1.04471	1
-12	20	-4	3.18115	0.82773	2

-12	-20	-3	54.4546	3.8741	2
12	-20	3	52.6245	2.8639	1
-12	20	-3	56.3992	2.8778	2
-12	-20	-2	2.11267	1.14135	2
12	-20	2	2.61195	1.07052	1
-12	20	-2	1.60271	0.80005	2
12	-20	1	0.96472	1.03928	1
12	-20	1	0.77624	1.11609	3
-12	-20	-1	1.04940	1.72136	2
-12	20	-1	0.21272	0.75080	2
-12	-20	0	5.69285	1.19017	2
12	-20	0	4.30914	1.15418	1
12	20	0	5.81248	1.50313	3
-12	20	0	3.76070	0.83565	2
12	-20	-1	0.26833	0.73191	2
-12	-20	1	1.61216	1.08124	2
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-12	-20	2	1.46583	1.09321	2
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-12	20	2	2.69196	0.78057	2
-12	-20	3	64.4089	4.1293	2
12	-20	-3	55.9374	3.1559	2
12	-20	-3	50.7249	3.4271	1
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12	20	-3	56.6574	2.8844	2
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-12	-20	4	2.88286	1.04419	2
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-12	-20	5	1.62904	0.92152	2
12	-20	-5	1.68165	1.17836	1
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-12	-21	-3	5.41194	1.73962	2
12	-21	3	6.38629	1.16081	1
-12	21	-3	4.14398	0.89275	2
-12	-21	-2	0.06052	1.07578	2
12	-21	2	0.94835	1.05457	1
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-12	-21	-1	1.96839	1.12202	2
12	-21	1	2.27630	1.11254	1
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12	-21	0	4.24240	1.18540	1
-12	-21	0	3.49134	1.15179	2
-12	21	0	3.76029	0.85687	2
12	-21	-1	1.51086	1.17008	1
-12	-21	1	2.02908	1.11743	2
-12	-21	1	2.44372	1.09904	2
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-12	-21	2	0.38226	1.03303	2
12	-21	-2	0.69041	1.63948	2
-12	-21	2	1.87927	1.85681	2
-12	21	2	-0.2235	1.0364	2
12	-21	-3	4.35191	1.07550	2
12	-21	-3	5.07216	2.05398	1
-12	-21	3	4.74851	1.13457	2
12	21	-3	6.39894	0.76531	2
-12	21	3	5.21647	0.85236	2
13	0	5	-1.2587	0.4281	3
13	0	4	6.25149	0.66104	3
13	0	4	8.04566	0.74759	3
13	0	3	0.72983	0.49854	3
13	0	3	-0.7207	0.4907	3
13	0	2	92.8042	5.0913	3
-13	0	-1	-0.2175	0.5267	3
-13	0	-1	-0.4307	0.4562	2
13	0	1	-0.4416	0.4925	3
-13	0	0	-0.2010	0.5676	3
-13	0	0	-0.0183	0.4346	2
13	0	0	-0.3963	0.5033	3
-13	0	1	-0.4803	0.4700	2
13	0	-1	-0.1388	0.5244	3
13	0	-1	-0.7042	0.4196	2
-13	0	1	-0.6955	0.5589	3
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-13	0	2	104.457	4.798	3
13	0	-2	94.6640	4.7778	3
13	0	-3	-0.1934	0.9921	1
-13	0	3	-0.4912	0.5454	2
-13	0	3	0.47651	0.61613	3
13	0	-3	-0.1305	0.4412	2
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-13	0	4	7.24307	1.39430	3
13	0	-4	7.59719	0.68640	2
13	0	-4	7.09203	0.81351	1
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-13	0	8	11.1066	1.1970	1
-13	0	8	9.49422	1.87287	3
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-13	0	11	0.24730	1.52945	1
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-13	0	11	-1.1042	1.3830	3
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-13	-1	-1	2.66851	1.04609	3
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13	1	1	2.73836	0.54132	3
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13	-2	-9	52.5778	2.7271	1
-13	-2	9	51.0406	2.7593	3
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-13	-2	13	0.15612	1.48364	3
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-13	-2	14	2.76769	0.94170	1
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-13	5	12	0.88220	1.29637	3
-13	-5	13	4.46073	1.07284	3
-13	-5	13	5.68831	0.94297	1
13	-5	-13	6.48613	1.13155	1
-13	5	13	6.39521	1.95571	3
-13	-5	14	9.24054	1.06718	1
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13	-5	-15	1.47095	1.12035	1
-13	-5	15	3.25651	0.97401	1

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13	-6	6	18.5792	1.0851	1
13	-6	6	17.6908	1.1210	3
13	-6	5	40.8501	2.1917	3
13	-6	5	43.7310	2.3285	1
13	-6	4	0.41328	0.56328	3
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13	-6	3	1.99324	0.44311	1
13	-6	3	0.81171	0.71822	3
13	6	3	1.49649	1.29147	3
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-13	-6	-2	58.0078	2.7527	2
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-13	6	-2	53.3420	2.7234	2
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-13	-6	-1	0.54177	0.61461	2
-13	6	-1	0.44207	0.41463	2
13	6	1	0.54472	0.65429	3
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13	-6	0	13.7246	0.8152	2
-13	-6	0	15.8211	1.1130	2
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13	6	0	14.6000	1.1666	3
-13	6	0	15.9720	1.4305	3
-13	6	0	13.1868	0.9903	2
13	-6	-1	0.13468	0.54683	1
13	-6	-1	0.47420	0.62341	3
13	-6	-1	0.95202	0.37341	2
-13	-6	1	-1.2482	0.5591	2
-13	-6	1	-0.3740	0.6047	3
-13	6	1	-0.2498	1.1915	3
-13	6	1	0.21241	0.47330	2
13	6	-1	0.10659	0.31325	2
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13	-6	-2	56.7917	2.9194	3
13	-6	-2	53.9956	3.1271	2
-13	-6	2	57.0526	2.8832	2
13	-6	-2	56.4475	2.6241	1
-13	-6	2	56.3213	2.9106	3
-13	6	2	59.0227	3.7243	3
13	6	-2	55.2947	4.0688	3
13	6	-2	53.1314	2.6896	2
-13	6	2	54.5820	3.0133	2
13	-6	-3	0.35690	1.20108	1
-13	-6	3	1.31536	0.72136	2
-13	-6	3	0.27892	0.64083	3
13	-6	-3	1.01820	0.50653	2
13	-6	-3	0.73549	0.65771	3
-13	6	3	0.27567	1.12183	3
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13	6	-3	1.45772	2.70859	3
-13	6	3	1.24192	0.55788	2

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-13	-6	4	1.18110	0.64477	3
-13	-6	4	1.62428	0.75711	2
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13	6	-4	-0.0231	0.4568	2
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13	-6	-5	43.6404	2.3024	2
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13	-6	-5	43.5949	2.3776	3
-13	-6	5	42.0886	2.3436	3
-13	-6	5	41.0695	2.3851	2
-13	6	5	44.5604	3.1037	3
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-13	-6	6	17.3002	1.2412	1
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13	-6	-6	20.5930	1.4627	1
-13	-6	6	17.4994	1.3913	2
-13	-6	6	16.3340	1.6246	3
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-13	6	6	16.1138	1.1921	2
-13	6	6	21.7229	3.5998	3
-13	-6	7	1.25283	0.71537	3
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-13	-6	7	0.80988	1.12916	1
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-13	6	7	0.66139	0.52704	2
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-13	-6	8	104.841	5.118	3
-13	-6	8	98.5500	4.8460	2
-13	-6	8	96.1752	4.5991	1
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-13	-6	9	15.7343	1.2298	3
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-13	-6	10	2.51376	1.02070	1
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-13	-6	10	2.98568	0.84788	3
-13	6	10	2.52836	1.00557	3
13	6	-10	2.77331	0.67939	2

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-13	-6	11	0.92408	0.72470	1
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13	-6	-11	0.31612	2.35219	1
-13	6	11	0.47872	1.41004	3
13	6	-11	1.29196	1.58167	2
-13	-6	12	1.65017	1.30549	3
-13	-6	12	0.81769	1.03126	1
13	-6	-12	0.12869	1.98326	1
13	-6	-12	0.15131	0.80664	2
-13	6	12	1.68699	1.62869	3
13	6	-12	1.45134	0.71717	2
-13	-6	13	3.26722	0.91292	3
13	-6	-13	2.50079	1.31941	1
-13	-6	13	3.93562	0.89761	1
-13	-6	14	-0.4071	0.8269	1
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13	-7	7	4.77276	0.74345	1
13	-7	7	5.80837	0.76253	3
13	-7	6	4.31878	0.89423	1
13	-7	6	4.49858	0.62850	3
13	-7	5	20.5224	1.3288	3
13	-7	5	24.2453	1.2324	1
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-13	-7	0	23.1824	1.5165	2
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13	8	5	3.49698	1.23466	3
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-13	-8	-2	52.3940	3.2468	2
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13	-9	11	3.08981	1.03169	1
13	-9	10	11.3134	1.1012	1
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13	-9	8	10.0052	0.9406	1
13	-9	7	17.7462	1.4174	1
13	-9	7	14.9940	1.0950	3
13	-9	6	8.55071	0.86946	3
13	-9	6	7.51201	0.76121	1
13	9	6	7.79911	1.46368	3
13	-9	5	71.4049	3.6407	1
13	-9	5	67.7746	3.5151	3
13	9	5	69.3325	3.5157	3
13	-9	4	14.7535	0.9342	1
13	-9	4	12.1343	1.0457	3
13	9	4	10.7396	3.7326	3
13	-9	3	4.29421	0.97555	3
13	-9	3	4.67502	0.56961	1
-13	9	-3	3.35538	0.54140	2
13	9	3	3.59691	1.21455	3
13	-9	2	8.36734	0.77382	1
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-13	9	-2	8.58799	0.81380	2
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-13	-9	-1	3.27076	0.73175	2
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-13	-9	0	52.8931	2.9287	2
13	-9	0	55.6312	2.6809	1
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-13	-9	1	3.18043	0.80559	2
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13	9	-1	4.50623	0.42838	2
13	9	-1	3.80479	2.02910	3
13	-9	-2	7.13320	0.84182	1
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13	-9	-2	7.55020	1.57393	3
13	9	-2	7.26582	2.42036	3
13	9	-2	7.08163	0.72174	2

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13	9	-3	3.52685	0.63410	2
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-13	-9	4	13.6233	1.3995	3
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13	9	-5	72.8348	4.0442	3
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-13	-9	7	15.0897	1.0558	1
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13	-12	2	0.56105	0.77746	3
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-13	12	-2	2.24324	0.59325	2
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-13	-12	-1	437.643	18.857	2
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13	12	-3	273.235	13.912	3
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13	15	-9	14.4499	1.2957	2
13	-15	-10	10.4339	2.0672	1
13	-15	-10	9.88396	1.23541	2

13	15	-10	8.42647	1.02015	2
13	-15	-11	8.90309	1.24150	2
-13	-15	11	7.81274	1.18215	1
13	-15	-11	7.27655	2.64614	1
13	15	-11	8.22529	1.02316	2
13	-16	10	30.9088	1.8395	1
13	-16	9	-0.2966	0.7862	1
13	-16	8	2.43188	0.83315	1
13	-16	7	1.82567	0.79187	1
13	-16	6	22.0232	1.6575	3
13	-16	6	28.9028	3.3252	1
13	16	6	29.5197	3.5297	3
13	-16	5	8.86749	1.16614	3
13	-16	5	7.14810	0.98589	1
13	16	5	9.69744	2.17640	3
-13	16	-5	8.24658	0.93330	2
13	-16	4	4.64491	1.59013	3
13	-16	4	2.53897	0.82618	1
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13	16	4	3.12382	1.47967	3
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-13	-16	-3	11.9774	1.3274	2
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13	16	3	11.7076	2.2742	3
-13	-16	-2	14.5539	1.3856	2
13	-16	2	11.7591	1.1764	1
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13	16	2	13.7926	1.5092	3
-13	16	-2	11.0416	1.0467	2
13	-16	1	18.2849	1.5117	3
13	-16	1	17.6867	1.5809	1
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-13	16	-1	17.5807	1.3201	2
13	16	1	24.2598	3.6692	3
-13	-16	0	0.29613	0.97755	2
13	-16	0	-0.1196	0.8967	1
13	-16	0	0.16800	0.88404	3
13	16	0	0.82668	1.71375	3
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13	-16	-1	19.5204	1.6470	1
-13	-16	1	21.5837	1.7297	2
13	-16	-1	21.7116	1.7738	2
13	-16	-1	17.9758	1.5931	3
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13	-16	-2	12.4058	1.0479	2
13	-16	-2	10.8829	1.2557	1
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13	16	-2	15.0376	2.3386	3
-13	16	2	10.8318	1.1058	2
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13	-16	-3	10.5000	1.7355	2
13	-16	-3	10.7397	1.2695	1

-13	-16	3	11.6802	1.6962	2
-13	16	3	10.0877	1.7733	2
13	16	-3	11.9407	0.9110	2
-13	-16	4	2.14379	1.36391	2
13	-16	-4	3.07615	0.94494	2
13	-16	-4	5.28167	1.13002	1
13	16	-4	3.66291	0.69075	2
-13	16	4	2.88785	0.70748	2
13	-16	-5	8.88783	2.10942	1
-13	-16	5	8.34925	1.15466	2
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-13	16	5	8.94966	0.87325	2
13	16	-5	8.63979	0.93229	2
-13	-16	6	24.7141	1.7512	2
13	-16	-6	23.8567	1.8381	1
13	-16	-6	23.3430	1.8902	2
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13	16	-6	29.6580	1.6330	2
-13	-16	7	1.33458	0.75749	2
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13	-16	-7	3.49387	1.12364	1
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-13	-16	8	1.31761	1.07798	3
13	-16	-8	2.63096	1.12792	1
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13	16	-8	2.64371	0.77472	2
-13	16	8	2.42015	1.60853	3
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13	-16	-9	0.32446	1.00610	2
13	16	-9	1.13932	0.76780	2
13	-16	-10	36.8189	3.5719	1
13	-16	-10	30.9679	2.2508	2
13	16	-10	32.7970	2.9539	2
13	-17	9	20.1317	1.4714	1
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13	-17	5	22.8818	1.5476	1
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13	-17	4	20.8425	1.6022	3
-13	-17	-4	17.0050	1.7344	2
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-13	-17	-3	5.26154	1.13136	2
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13	17	3	3.73702	1.15972	3
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-13	-17	1	2.99074	1.08467	2
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-13	-20	-3	55.6523	3.1042	2
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-13	20	-3	52.7530	2.9564	2
-13	-20	-2	2.08635	1.75760	2
13	-20	2	1.36820	1.06290	1
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14	0	2	442.150	21.466	3
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14	0	-5	-0.2139	0.6239	1
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14	0	-8	8.99898	1.06382	2
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14	0	-9	-0.5245	0.6364	2
14	0	-9	0.31021	0.73509	1
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14	0	-10	169.827	8.606	2
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14	0	-10	162.567	7.452	1
14	0	-11	0.99464	1.14351	2
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14	0	-11	-0.4029	0.8094	1
-14	0	11	-0.8173	1.3825	3
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14	0	-12	30.8440	1.9324	1
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14	0	-13	1.23309	0.91474	1
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14	-1	5	4.33637	0.85571	3
14	1	5	4.69000	0.56177	3

14	1	5	3.03223	0.52672	3
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14	1	4	22.6340	1.3498	3
14	-1	3	3.61144	0.59740	3
14	1	3	2.91499	0.98899	3
14	-1	2	24.6517	1.4313	3
14	1	2	22.8535	1.4145	3
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14	-1	1	1.28048	1.04468	3
14	1	1	2.24614	0.56437	3
-14	1	-1	1.76072	0.44011	2
14	-1	0	6.37931	1.06829	3
-14	-1	0	3.33746	0.67792	3
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-14	-4	8	4.66613	0.73293	2
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14	4	-10	1.93386	0.68318	2
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14	4	-11	23.0261	1.6011	2
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-14	-4	12	1.86357	0.84140	1
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14	-7	-13	2.92981	0.96029	2
-14	-7	13	4.08137	0.93184	1
14	-7	-13	2.56129	1.09459	1
14	7	-13	1.98326	0.87475	2

14	-7	-14	8.97766	1.31669	1
-14	-7	14	11.6743	1.1660	1
14	-8	7	1.79758	0.87909	3
14	-8	6	201.162	9.980	3
14	-8	6	211.387	8.978	1
14	-8	5	0.09302	0.84543	1
14	-8	5	0.03365	0.59817	3
14	8	5	0.69623	2.39260	3
14	-8	4	6.22619	0.87989	3
14	-8	4	7.09426	0.65416	1
14	8	4	6.54457	0.96677	3
14	-8	3	15.4909	1.1970	3
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-14	-8	-2	156.611	6.975	2
14	-8	2	151.130	7.680	3
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-14	8	-2	138.564	6.850	2
14	8	2	152.155	7.211	3
-14	-8	-1	0.47580	0.61038	2
14	-8	1	1.03392	1.00627	3
14	-8	1	0.23746	0.48740	1
14	8	1	0.46281	3.15953	3
-14	8	-1	0.49072	0.47484	2
14	-8	0	76.6573	3.9042	2
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14	-8	-1	0.32855	0.60345	2
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-14	-8	2	160.919	7.164	2
14	-8	-2	153.902	7.382	3
14	-8	-2	145.765	7.042	2
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14	8	-2	149.310	6.982	2
14	8	-2	153.101	7.506	3
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14	-8	-3	17.4632	1.5019	2
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14	-8	-3	18.8327	1.3912	3
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14	8	-3	18.1509	1.8898	3
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-14	-8	4	7.96097	0.98696	2
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-14	-8	4	6.94234	0.90413	3
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-14	-8	5	0.21086	0.79183	2
-14	-8	5	0.47623	0.73538	3
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-14	-8	6	214.536	10.217	2
-14	-8	6	216.585	10.637	3
14	-8	-6	209.185	10.567	2
14	-8	-6	210.249	9.521	1
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14	8	-6	228.793	10.130	2
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-14	-8	7	1.06447	2.71762	3
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-14	-8	8	6.23689	1.02425	3
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14	8	-8	8.06980	0.85965	2
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-14	-8	9	3.15894	1.51964	3
-14	-8	9	4.40067	1.59693	1
14	8	-9	3.06126	0.70884	2
-14	8	9	4.36551	1.62026	3
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14	8	-13	-0.2223	0.8083	2
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-14	15	-4	4.28895	0.76214	2
14	15	4	5.42791	2.07428	3
-14	-15	-3	4.54928	1.04888	2
14	-15	3	4.58511	0.99443	3
14	-15	3	4.19505	0.82385	1
14	15	3	6.66719	1.27357	3
-14	15	-3	3.51725	0.72292	2
14	-15	2	-0.0441	0.7784	1
14	-15	2	0.20178	0.86531	3
-14	-15	-2	0.23154	0.92789	2
-14	15	-2	0.10210	0.83946	2
14	15	2	0.35316	1.87937	3
14	-15	1	1.11474	0.88011	3
14	-15	1	0.31439	1.00744	1
-14	-15	-1	0.59213	0.94255	2
14	15	1	2.49782	1.96519	3
-14	15	-1	0.45649	0.65763	2
-14	-15	0	8.70256	1.27869	2
14	-15	0	15.5280	1.3127	1
14	-15	0	13.9252	1.2973	3
-14	15	0	14.1802	1.1633	2

14	15	0	13.8730	2.5866	3
-14	-15	1	2.89931	0.99398	2
14	-15	-1	0.94586	0.84573	2
14	-15	-1	1.26763	0.91446	1
14	-15	-1	0.46764	0.92062	3
-14	15	1	-0.3091	0.6850	2
14	15	-1	2.34222	1.42298	3
14	-15	-2	0.25271	1.27750	2
-14	-15	2	-1.2433	0.9325	2
14	-15	-2	0.83859	0.97037	1
14	-15	-2	-0.1173	0.9266	3
-14	15	2	0.65965	0.66456	2
14	15	-2	-0.2046	0.4793	2
14	15	-2	2.32851	1.46603	3
14	-15	-3	6.08307	1.08786	1
-14	-15	3	3.17264	1.02939	2
14	-15	-3	3.79256	0.79947	2
-14	15	3	2.91654	0.72118	2
14	15	-3	3.90874	1.38981	2
14	-15	-4	4.62603	2.58444	2
-14	-15	4	5.02980	1.49493	2
14	-15	-4	5.48614	1.10092	1
-14	15	4	5.53489	0.79658	2
14	15	-4	5.51252	0.72363	2
14	-15	-5	13.6953	1.3686	1
-14	-15	5	14.1514	2.0121	2
14	-15	-5	15.1723	1.4919	2
14	15	-5	15.4543	1.2227	2
-14	15	5	14.9805	1.1917	2
-14	-15	6	2.04112	0.91641	2
14	-15	-6	3.87713	1.12115	1
14	-15	-6	1.87746	0.97923	2
-14	15	6	1.20804	0.65462	2
14	15	-6	4.01045	0.75250	2
-14	-15	7	40.1221	2.2901	2
14	-15	-7	41.2162	2.3172	1
14	-15	-7	37.7346	2.9149	2
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14	15	-7	38.6014	2.1822	2
14	-15	-8	6.86594	1.18319	1
14	-15	-8	6.56192	1.20527	2
-14	15	8	5.96560	2.43764	3
14	15	-8	6.59403	0.89151	2
14	-15	-9	1.93707	1.97107	1
14	-15	-9	0.86841	1.01728	2
14	15	-9	2.37098	1.32033	2
14	-15	-10	0.53469	1.17195	1
14	-15	-10	0.70991	1.03819	2
14	15	-10	0.23284	0.78271	2
14	-16	9	2.11948	0.83738	1
14	-16	8	3.81761	0.86339	1
14	-16	7	5.36888	0.89529	1
14	-16	6	62.1620	3.3635	1
14	-16	5	0.97221	0.79584	1

14	-16	5	0.28038	0.86991	3
14	16	5	0.74931	1.45289	3
14	-16	4	4.33266	0.99361	3
14	-16	4	4.33748	0.89452	1
-14	16	-4	3.07115	0.77013	2
14	16	4	3.49885	1.71836	3
-14	-16	-3	15.8427	1.4821	2
14	-16	3	14.6171	1.2257	1
14	-16	3	12.4498	1.3180	3
-14	16	-3	13.2946	1.1851	2
14	16	3	13.2935	2.5285	3
-14	-16	-2	5.91609	1.15380	2
14	-16	2	4.36034	0.95032	1
14	-16	2	4.67157	1.04812	3
14	16	2	16.5162	2.6021	3
-14	16	-2	4.87937	1.09123	2
14	-16	1	3.67210	0.93489	1
-14	-16	-1	2.51545	1.05821	2
14	-16	1	0.93394	0.93244	3
-14	16	-1	0.50280	0.67909	2
14	16	1	1.29618	1.28548	3
-14	-16	0	23.9653	1.7793	2
14	-16	0	21.5850	1.5828	1
14	-16	0	22.0128	1.6791	3
-14	16	0	20.2310	1.4745	2
14	16	0	21.8868	1.9263	3
14	-16	-1	1.00365	0.96074	3
14	-16	-1	2.49854	1.77059	1
-14	-16	1	2.82598	1.07923	2
14	-16	-1	1.95012	0.82722	2
14	16	-1	3.10714	1.25413	3
-14	16	1	1.47354	0.72140	2
14	-16	-2	4.96451	1.11324	1
14	-16	-2	3.70823	1.48843	2
-14	-16	2	5.36208	1.14434	2
14	16	-2	8.99461	1.46998	3
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14	16	-2	5.76284	0.60369	2
14	-16	-3	13.7349	1.1690	2
14	-16	-3	14.2124	1.3790	1
-14	-16	3	13.0493	1.3785	2
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14	16	-3	11.8679	1.0170	2
-14	-16	4	4.03950	1.07100	2
14	-16	-4	4.65328	1.16011	1
14	-16	-4	2.89756	2.68615	2
14	16	-4	3.36070	1.10781	2
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14	-16	-5	-0.2114	0.9546	2
-14	-16	5	1.04614	0.94960	2
14	-16	-5	0.46334	1.97453	1
14	16	-5	1.53258	0.70804	2
-14	16	5	0.71810	0.67003	2
-14	-16	6	66.6370	3.5171	2

-14	-16	6	66.4803	3.5419	2
14	-16	-6	64.7533	3.5828	2
14	-16	-6	68.9296	3.4283	1
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14	16	-6	71.8247	3.4129	2
14	-16	-7	6.17152	1.21176	1
14	-16	-7	4.35596	1.56392	2
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14	16	-7	3.19757	0.81937	2
14	-16	-8	1.50157	1.13556	2
14	-16	-8	3.45710	1.16416	1
14	16	-8	0.95412	0.77255	2
14	-16	-9	3.09105	1.15457	1
14	-16	-9	2.09742	1.08542	2
14	16	-9	3.17036	0.84245	2
14	-17	8	1.37037	0.81884	1
14	-17	7	5.50479	0.94201	1
14	-17	6	3.89421	1.20407	1
14	-17	5	13.0063	1.2552	1
-14	17	-5	13.6612	1.2535	2
14	-17	4	1.14858	0.86723	1
-14	17	-4	0.45382	0.73856	2
14	-17	3	3.32374	0.92466	1
14	-17	3	1.79290	0.98444	3
-14	-17	-3	4.14948	1.13155	2
-14	17	-3	1.63305	0.75011	2
14	17	3	3.69193	2.18109	3
-14	-17	-2	3.04371	1.07508	2
14	-17	2	4.11719	0.97566	1
14	-17	2	3.20091	1.03159	3
14	17	2	2.62450	1.51224	3
-14	17	-2	2.44314	0.78607	2
-14	-17	-1	8.14486	1.29216	2
14	-17	1	12.6350	1.3204	3
14	-17	1	11.2761	1.1951	1
14	17	1	11.5938	1.5609	3
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14	-17	0	2.10278	1.01875	3
-14	-17	0	3.61975	1.13070	2
14	-17	0	3.24032	1.01373	1
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14	17	0	3.70806	2.06824	3
-14	-17	1	10.4053	1.3476	2
14	-17	-1	10.5533	1.2613	1
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14	-17	-1	8.95869	1.26124	2
14	17	-1	12.5578	2.4295	3
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14	-17	-2	2.37838	1.45484	2
14	-17	-2	6.00901	2.18409	1
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14	17	-2	3.68200	2.22595	3
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-14	17	2	3.43141	0.78700	2

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-14	-17	3	2.77159	1.07721	2
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14	17	-3	2.55276	0.96873	2
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-14	-17	4	0.89077	0.99364	2
14	17	-4	1.83848	1.55781	2
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14	-17	-5	15.3817	1.4057	2
14	-17	-5	12.5533	1.4458	1
-14	-17	5	12.9527	1.3280	2
14	17	-5	14.2258	1.1747	2
-14	17	5	13.0840	1.1742	2
-14	-17	6	3.98969	1.01186	2
14	-17	-6	3.14304	2.23986	1
14	-17	-6	3.68460	1.08210	2
14	17	-6	4.53018	0.83355	2
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14	-17	-7	7.80778	1.30982	1
14	-17	-7	7.66207	1.43283	2
-14	-17	7	6.86570	0.91246	2
14	17	-7	5.80323	0.88647	2
14	-17	-8	3.30679	1.38955	2
14	-17	-8	2.61877	1.16399	1
14	17	-8	2.21110	0.80207	2
14	-18	7	2.67611	0.88453	1
14	-18	6	27.2337	2.2610	1
14	-18	5	1.75996	0.91392	1
-14	18	-5	1.40272	0.80550	2
14	-18	4	11.1499	1.2129	1
-14	-18	-4	13.2892	1.5197	2
-14	18	-4	12.2127	1.1298	2
-14	-18	-3	3.31338	1.14737	2
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14	-18	2	0.74763	1.02278	3
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-14	-18	-1	3.82492	1.15890	2
14	-18	1	3.23338	1.06382	3
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14	18	1	4.84858	2.31684	3
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-14	-18	3	3.20423	1.08536	2
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14	18	-3	3.40046	0.63049	2
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14	-18	-4	11.9799	1.4523	1
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14	18	-4	11.1719	1.1022	2
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14	-18	-5	0.75573	1.17397	1
-14	-18	5	2.59479	1.02309	2
-14	-18	5	2.33478	1.00274	2
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14	18	-5	2.72972	1.06465	2
-14	-18	6	27.9298	2.0265	2
14	-18	-6	29.6915	2.0519	2
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14	-18	-7	1.78746	1.07306	2
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14	18	-7	1.70023	0.78200	2
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-14	19	-5	0.43910	0.80650	2
14	-19	4	15.5907	1.4204	1
-14	-19	-4	14.3214	1.5762	2
-14	19	-4	15.7583	1.3267	2
14	-19	3	2.82026	1.01362	1
-14	-19	-3	2.46197	1.16394	2
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-14	-19	-2	4.75298	1.21841	2
14	-19	2	1.52320	1.02627	1
-14	19	-2	2.34940	0.82067	2
-14	-19	-1	1.89069	1.11723	2
14	-19	1	1.89725	1.05934	1
-14	19	-1	0.79538	0.77745	2
-14	-19	0	9.10916	1.87731	2
14	-19	0	10.0581	1.2724	1
-14	19	0	6.47039	0.95716	2
-14	-19	1	2.78890	1.13657	2
14	-19	-1	1.25129	1.09129	1
14	19	-1	1.09673	1.15052	3
-14	19	1	1.02792	0.81143	2
14	-19	-2	4.16873	1.23866	1
-14	-19	2	3.06006	1.11478	2
14	-19	-2	2.81709	0.90935	2
-14	19	2	2.93593	1.40618	2
-14	-19	3	1.04345	1.03990	2

14	-19	-3	2.75957	0.91504	2
14	-19	-3	0.46827	2.29605	1
14	19	-3	2.44285	0.60911	2
-14	19	3	1.54079	0.79156	2
-14	-19	4	17.3693	1.7176	2
14	-19	-4	12.6696	3.1925	2
14	-19	-4	16.9489	1.6313	1
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14	19	-4	17.9917	1.3980	2
14	-19	-5	1.29664	1.17325	1
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14	-19	-5	0.99747	1.26565	2
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-14	-20	-3	1.50287	1.17143	2
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14	-20	2	0.90405	1.02098	1
-14	-20	-2	0.92184	1.12144	2
-14	20	-2	0.17098	0.79828	2
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-14	-20	-1	5.10208	1.22065	2
-14	20	-1	3.74789	0.88356	2
-14	-20	0	6.06864	1.25700	2
14	-20	0	7.12520	1.24539	1
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-14	-20	1	4.02694	1.16414	2
14	-20	-1	4.51734	1.19925	1
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14	-20	-2	0.46797	1.16232	1
14	-20	-2	-1.8420	0.8829	2
-14	-20	2	0.91578	1.06742	2
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-14	-20	3	1.16869	1.02652	2
14	-20	-3	0.78934	0.89467	2
-14	-20	3	1.43423	1.08831	2
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15	0	4	120.230	5.878	3
15	0	3	-0.4946	0.5717	3
15	0	2	1225.10	59.05	3
15	0	1	-0.2872	0.8318	3
-15	0	-1	-0.3798	0.4713	2
-15	0	0	0.53887	0.54475	2
15	0	0	1.14900	0.63450	3
-15	0	1	-0.3440	0.5583	2
15	0	-1	-0.0256	0.6199	3
15	0	-1	-0.5577	0.4075	2
-15	0	1	-0.1272	0.6801	3
-15	0	2	1380.93	62.69	3
15	0	-2	1275.09	60.21	2
15	0	-2	1303.88	62.67	3

-15	0	2	1285.43	60.27	2
15	0	-3	-0.1412	0.6414	3
15	0	-3	-0.4239	0.4646	2
-15	0	3	0.32446	0.62688	2
-15	0	3	0.17333	1.32991	3
-15	0	4	128.682	6.728	3
15	0	-4	128.574	6.213	2
-15	0	4	122.145	5.883	2
15	0	-4	117.026	6.104	3
15	0	-5	-1.3983	0.6985	3
-15	0	5	-0.0741	0.6495	2
15	0	-5	-1.1776	0.5370	2
-15	0	5	-1.2687	0.7312	3
15	0	-6	420.867	19.765	3
15	0	-6	403.947	17.728	1
15	0	-6	403.427	18.953	2
-15	0	6	401.501	18.993	2
-15	0	6	420.767	19.754	3
-15	0	7	-1.0325	0.7063	3
-15	0	7	-0.8576	0.6520	2
15	0	-7	-1.1747	0.8286	2
15	0	-7	0.56794	0.91399	1
15	0	-8	142.756	7.700	1
15	0	-8	148.364	6.882	2
-15	0	8	148.635	7.226	3
-15	0	8	140.211	6.837	2
15	0	-9	-0.4161	0.9469	1
15	0	-9	0.19873	0.68136	2
-15	0	9	-1.1394	0.7430	3
-15	0	10	72.4774	4.9125	3
15	0	-10	70.7418	3.9685	2
-15	0	10	72.3052	3.3297	1
15	0	-10	65.2374	3.3489	1
-15	0	11	-0.2492	0.8161	1
-15	0	11	-0.8483	1.4437	3
15	0	-11	-0.3426	0.8712	1
15	0	-11	-0.9081	1.2288	2
-15	0	12	66.6890	4.3756	3
-15	0	12	66.8864	3.2335	1
15	0	-12	67.7381	3.3985	2
15	0	-12	62.2939	3.2506	1
15	0	-13	-1.1087	0.9736	1
-15	0	13	-0.9051	0.9133	1
15	0	-13	-0.2103	0.8015	2
15	0	-14	92.1464	4.5451	1
15	0	-15	0.06678	1.96368	1
15	-1	5	21.2174	1.5866	3
15	1	5	19.8251	1.2106	3
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15	1	4	15.9366	1.1104	3
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-15	1	5	22.4218	1.4720	3
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-15	-1	9	8.87233	0.91309	1
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-15	-4	10	0.34616	1.36082	3
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-15	-4	13	62.5535	3.0863	1
15	-4	-13	64.1259	3.2344	1
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-15	-4	14	-0.6586	0.9185	1
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15	-5	3	10.0757	0.9153	3
15	-5	2	23.7006	1.6687	3
-15	5	-2	23.2441	1.3398	2
-15	-5	-1	13.6775	1.1158	2
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-15	5	-1	14.4084	1.0405	2

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-15	-5	7	39.0079	2.3487	3
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-15	-5	8	18.0488	1.2892	2
-15	-5	8	17.6617	1.1655	1
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-15	5	8	18.2440	1.1530	2
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15	-5	-9	16.9824	1.4182	1
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-15	-5	10	3.23995	0.84592	3
-15	5	10	3.91467	1.81084	3
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-15	5	12	10.8842	1.6137	3
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-15	-5	14	3.03268	0.96083	1
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-15	-7	0	31.1824	1.8442	2
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-15	-7	4	3.13115	1.39916	3
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15	-8	-2	705.871	33.018	3
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15	8	-2	690.366	33.316	3
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15	-8	-4	70.0391	3.6150	3
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15	8	-4	70.0928	6.4970	3
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-15	8	4	67.8095	3.3986	2
15	8	-4	69.9518	3.3668	2
-15	-8	5	5.09495	0.98091	2
-15	-8	5	6.40959	1.73562	3
15	-8	-5	6.06445	0.94393	2
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-15	8	5	5.05214	1.30027	3
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-15	-17	-2	3.74894	1.13897	2
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15	-17	2	3.92389	1.07522	3
-15	17	-2	3.53258	0.81463	2
15	17	2	2.77743	1.43979	3
15	-17	1	2.90796	1.04665	3
15	-17	1	2.50252	1.00972	1
-15	-17	-1	1.41508	1.06666	2
15	17	1	2.95296	2.21104	3
-15	17	-1	1.49020	0.75820	2
15	-17	0	4.73061	1.09910	3
-15	-17	0	1.31418	1.09737	2
15	-17	0	3.58824	1.16482	1
-15	17	0	3.26404	0.81806	2
15	17	0	4.56844	2.37073	3
-15	-17	1	3.24416	1.13167	2
15	-17	-1	3.35306	1.13120	3
15	-17	-1	1.63612	1.07190	1
-15	17	1	2.18597	0.82024	2
15	17	-1	4.06611	2.22773	3
-15	-17	2	5.59111	1.18502	2
15	-17	-2	2.95554	0.81346	2
15	-17	-2	4.07277	1.12685	1
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15	17	-2	4.51071	2.49183	3
15	-17	-3	1.08692	1.49766	2
-15	-17	3	2.30848	1.34278	2
15	-17	-3	0.91491	1.09752	1
-15	17	3	0.53427	0.74766	2
15	17	-3	1.08722	0.54392	2
15	-17	-4	10.3271	1.3457	1
-15	-17	4	8.73664	2.01683	2
15	-17	-4	8.39644	1.10279	2
-15	17	4	8.15331	0.97919	2
15	17	-4	9.33672	0.85867	2
15	-17	-5	9.23674	1.34546	1
15	-17	-5	9.06034	2.14814	2
-15	-17	5	7.20986	1.19220	2
15	17	-5	9.11115	1.08034	2
-15	17	5	9.04998	0.93954	2
-15	-17	6	9.65804	1.19500	2

15	-17	-6	11.5482	2.3337	1
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15	-17	-6	11.9867	3.3558	2
-15	17	6	13.2873	1.3551	2
15	17	-6	12.3774	1.1374	2
-15	-17	7	3.04678	0.87100	2
15	-17	-7	3.73985	1.12926	2
15	-17	-7	4.03262	1.24211	1
15	17	-7	3.60966	0.81852	2
15	-18	6	-0.1150	2.0031	1
15	-18	5	6.52979	1.03426	1
-15	18	-5	5.07373	0.92727	2
-15	-18	-4	22.4733	1.9204	2
15	-18	4	21.4410	1.5794	1
-15	18	-4	21.6882	1.5479	2
15	-18	3	7.63795	1.11697	1
-15	-18	-3	8.76747	1.32576	2
-15	18	-3	6.83317	1.03961	2
-15	-18	-2	2.10067	1.14682	2
15	-18	2	2.42041	0.99817	1
-15	18	-2	1.61027	0.79851	2
15	-18	1	1.82511	1.03867	1
-15	-18	-1	2.12041	1.15537	2
15	-18	1	4.56960	1.13163	3
-15	18	-1	1.62736	0.80170	2
15	-18	0	2.12954	1.44387	1
-15	-18	0	-0.2414	1.0708	2
15	-18	0	2.38213	1.10627	3
15	18	0	2.98757	2.36383	3
-15	18	0	0.05860	0.79714	2
-15	-18	1	3.56999	1.16748	2
15	-18	-1	2.35407	1.10176	1
15	18	-1	3.64957	2.47366	3
-15	18	1	2.71062	0.83644	2
15	-18	-2	4.56205	2.07461	1
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-15	-18	2	1.57368	1.41204	2
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15	-18	-3	7.28013	1.92274	1
15	-18	-3	7.90027	1.47507	2
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-15	-18	4	21.8703	1.8079	2
15	-18	-4	22.3206	1.7593	2
15	-18	-4	25.8363	3.4887	1
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15	18	-4	25.6059	2.1787	2
-15	-18	5	7.00267	1.14972	2
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15	18	-6	0.42082	0.72271	2
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-15	19	-4	1.56037	0.82203	2
-15	-19	-3	3.08154	1.22063	2
15	-19	3	5.32528	1.07772	1
-15	19	-3	3.33001	0.85905	2
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-15	-19	-2	5.38795	1.23975	2
-15	19	-2	3.37492	0.87077	2
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-15	-19	-1	3.53498	1.18913	2
-15	19	-1	3.32313	0.84866	2
15	-19	0	1.50343	1.08572	1
-15	-19	0	2.68425	1.15026	2
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15	-19	-1	2.79599	1.14484	1
-15	-19	1	4.94961	1.19567	2
-15	19	1	2.74252	0.86002	2
-15	-19	2	5.77958	2.05837	2
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-15	-19	3	3.90280	1.14270	2
15	-19	-3	4.71097	1.28710	1
15	-19	-3	3.85485	0.98245	2
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-15	-19	4	0.48604	1.01956	2
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16	0	3	-0.9299	0.5986	3
16	0	2	12.5249	1.2834	3
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-16	0	0	394.227	18.401	2
16	0	0	399.752	19.094	3
16	0	-1	-0.2014	0.3084	2
16	0	-1	0.11617	0.67973	3
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-16	0	3	0.27026	1.20697	3
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-16	0	3	-1.4782	0.6355	2
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-16	0	4	799.732	37.025	3
16	0	-4	762.851	37.015	3
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16	0	-5	-0.4762	0.8241	2
-16	0	5	-0.2097	0.7726	3
-16	0	5	-0.2272	0.6641	2
-16	0	6	34.8522	2.0419	2
-16	0	6	35.3296	2.0649	3
16	0	-6	35.1625	1.9530	2
-16	0	7	-0.5288	0.7020	2
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-16	0	8	2.24325	0.70037	2
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-16	0	8	0.42638	0.76098	3
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16	0	-9	-1.2909	0.9542	1
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16	0	-13	1.13599	2.65067	1
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16	0	-14	13.1465	1.2684	2
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16	1	4	61.0027	3.1882	3
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16	1	3	34.0666	2.4151	3
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16	1	0	57.2318	2.9837	3
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16	1	-3	37.7934	1.9915	2
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-16	1	8	1.63789	1.68825	3
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16	1	-14	-0.5677	1.0395	1
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16	-2	4	1.32505	0.59132	3
16	2	4	-1.7851	0.9474	3
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16	2	3	12.2723	1.3109	3
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16	2	1	0.30426	0.63942	3
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16	-2	0	-0.9419	0.6646	3
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16	-2	-10	8.78629	1.06813	2
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16	-2	-11	7.24516	1.94538	2
-16	-2	11	10.0510	1.1337	3
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16	2	-13	1.51113	1.11823	1
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16	2	-14	0.89852	0.86790	2
16	2	-14	0.74320	1.01507	1
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16	-3	4	11.8648	1.5467	3
16	3	4	8.34771	1.09620	3
16	-3	3	3.88674	0.69466	3
16	3	3	4.16686	0.66372	3
16	-3	2	18.1335	1.2269	3
16	3	2	15.9967	1.1818	3
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16	-3	-1	15.6594	1.0250	2
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-16	-3	1	15.5069	1.2260	2
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16	3	-1	15.7506	0.8673	2
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16	-3	-2	17.2911	1.6846	3
16	-3	-2	17.5185	1.3067	2
16	3	-2	16.1693	1.1602	2
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16	-3	-3	3.29957	1.54776	3
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-16	-7	0	31.3516	1.8446	2
16	-7	0	30.5534	1.8764	3
16	7	0	30.4523	2.4949	3
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16	-7	-1	0.97278	0.35715	2
16	7	-1	1.37620	0.38901	2
16	7	-1	1.18879	0.82017	3
-16	7	1	1.31492	1.02662	2
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16	-7	-2	32.9132	1.7044	2
16	-7	-2	31.7708	1.8412	1
16	-7	-2	32.1080	1.9299	3
16	7	-2	33.3468	1.6618	2
16	7	-2	33.3530	2.0132	3
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-16	-7	3	13.0782	1.3124	2
16	-7	-3	12.7219	1.1306	1
16	-7	-3	8.26281	0.81376	2
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16	7	-3	8.82079	1.01685	2
16	7	-3	8.91510	1.08096	3
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16	-7	-4	46.5310	2.3482	1
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16	-7	-4	45.4504	2.6029	3
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16	-7	-5	9.93478	1.28790	2
-16	7	5	10.7738	4.1760	3
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16	-7	-6	33.4922	2.2712	2
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-16	7	6	35.1580	3.0140	3
-16	7	6	32.0803	2.0150	2
16	7	-6	35.7135	1.8980	2
-16	-7	7	15.7041	2.0070	3
16	-7	-7	18.8134	1.4762	2
16	-7	-7	17.3639	1.4872	1
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16	-7	-8	3.82498	1.77430	2
16	7	-8	4.50220	0.77938	2

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-16	-7	9	5.37458	0.94442	3
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16	-7	-11	2.42077	0.94445	2
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-16	-7	11	2.05759	0.94458	3
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16	7	-12	3.42338	0.98139	2
16	-7	-13	4.97695	1.06073	2
-16	-7	13	4.85036	1.04272	1
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16	-11	-4	14.9150	1.3887	1
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16	-11	-4	14.1872	1.3515	2
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16	11	-4	15.8413	1.1085	2
16	-11	-5	18.0506	1.9594	2
16	-11	-5	21.1786	1.6000	1
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16	11	-5	22.1568	1.3788	2
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16	-11	-6	8.60409	1.04094	2
16	-11	-6	9.95816	1.52690	1
-16	-11	6	8.06620	1.14850	2
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16	-11	-8	5.03978	1.33449	1
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16	11	-8	4.77080	2.09318	2
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16	-11	-9	1.43513	1.03663	1
16	11	-9	1.25475	1.12221	2
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16	-11	-10	6.55037	3.05893	2
16	-11	-10	7.07566	1.21563	1
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16	-11	-11	10.8902	3.3666	2
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16	-11	-12	5.69421	2.39084	1
16	-11	-12	4.89237	3.04746	2

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16	12	5	5.26392	0.91095	3
16	-12	4	3.99430	0.72515	1
16	-12	4	3.55290	0.86263	3
16	12	4	2.60846	0.87545	3
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-16	-12	-2	0.65881	0.90444	2
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16	-12	0	38.8718	2.2441	3
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16	12	0	34.6780	3.3623	3
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16	12	-3	13.8115	3.1882	3
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16	-12	-9	36.2243	4.7241	2
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16	13	4	16.6549	3.4037	3
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-16	-13	-2	10.7256	1.2144	2
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16	13	0	4.87986	1.49503	3
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16	-13	-4	15.2102	2.4508	1
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16	14	5	12.3862	1.2242	3
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16	14	4	7.58561	1.73102	3
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-16	-16	-3	8.08652	1.31785	2
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-16	-16	-2	13.9801	1.4423	2
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16	16	-5	30.2312	1.7240	2
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16	-16	-6	3.25060	1.03557	2
16	16	-6	3.71201	0.81432	2
-16	16	6	3.39815	1.06152	2
16	-16	-7	3.42957	1.21988	1
-16	-16	7	2.59498	1.04566	2
16	-16	-7	3.00596	2.30874	2
16	16	-7	2.61134	0.79809	2
16	-16	-8	0.76004	2.94023	2
16	-16	-8	0.83695	1.19306	1
16	16	-8	1.30941	0.77552	2
16	-17	6	5.83949	2.25721	1
16	-17	5	3.71911	0.95235	1
16	-17	4	1.05416	0.92872	1
-16	17	-4	1.04771	0.79324	2
-16	-17	-3	16.6199	1.7053	2
16	-17	3	16.9082	1.4055	1
-16	17	-3	15.1061	1.3437	2
16	-17	2	18.1746	1.4518	1
-16	-17	-2	11.9166	1.4732	2
-16	17	-2	15.2363	1.3170	2
16	-17	1	13.8220	1.4601	3
16	-17	1	15.9830	1.4398	1
-16	-17	-1	12.1430	1.4255	2

-16	17	-1	11.9508	1.2428	2
-16	-17	0	5.31589	1.21619	2
16	-17	0	7.62969	1.22069	3
16	-17	0	6.00582	1.89380	1
16	17	0	7.88077	2.79300	3
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16	-17	-1	16.1715	1.5065	1
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16	17	-1	15.6664	3.2329	3
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16	-17	-2	17.2739	1.6862	1
16	-17	-2	16.6218	1.8917	2
-16	-17	2	17.0728	1.7108	2
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16	17	-2	18.6631	3.4781	3
16	-17	-3	16.7174	1.6793	2
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16	-17	-3	16.9518	1.6356	1
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16	-17	-4	1.24493	1.04096	2
16	17	-4	1.76878	0.63045	2
-16	17	4	1.70758	1.19629	2
16	-17	-5	2.76556	1.20675	1
16	-17	-5	1.32825	0.97874	2
-16	-17	5	2.74787	1.05857	2
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16	17	-5	2.64487	1.57377	2
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16	-17	-6	6.39787	1.28590	1
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16	-17	-6	3.37804	1.06191	2
16	17	-6	4.96533	0.83902	2
-16	17	6	4.23751	0.83298	2
16	-18	5	17.0849	1.6390	1
-16	18	-5	15.4277	1.4112	2
16	-18	4	6.20093	1.11347	1
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-16	-18	-3	3.66292	1.20223	2
16	-18	3	4.17728	1.03649	1
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-16	-18	-2	19.0148	1.6717	2
16	-18	2	15.2779	1.4772	1
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16	-18	1	7.50256	1.18986	1
-16	-18	-1	6.62270	1.29280	2
-16	18	-1	6.55066	0.98270	2
16	-18	0	1.21097	1.04567	1
-16	-18	0	2.54141	1.14099	2
-16	18	0	1.08308	0.80159	2
16	-18	-1	5.69475	1.19705	1
-16	-18	1	6.37563	1.28418	2

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16	-18	-2	17.6477	1.6353	1
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-16	18	2	18.1350	2.3249	2
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16	-18	-3	5.26126	2.42360	1
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16	18	-4	7.87398	0.81792	2
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16	-18	-5	19.8781	1.7253	1
16	-18	-5	16.1490	1.6001	2
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16	18	-5	17.8409	1.3046	2
16	-19	2	3.34845	1.04236	1
-16	-19	-2	1.37684	1.18589	2
-16	19	-2	1.83472	0.84718	2
16	-19	1	2.74908	1.07362	1
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16	-19	0	0.87150	1.06251	1
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-16	-19	1	-0.3071	1.8141	2
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17	0	4	198.725	9.630	3
17	0	3	0.24743	0.63399	3
17	0	2	210.146	10.421	3
17	0	1	0.25997	1.29908	3
-17	0	-1	-0.0882	0.5467	2
-17	0	0	0.32041	0.60392	2
17	0	0	1.93749	0.69583	3
-17	0	1	-0.2197	0.6283	2
17	0	-1	-0.0067	0.7080	3
17	0	-2	209.339	10.058	3
17	0	-2	197.201	9.549	2
-17	0	2	213.236	9.670	2
17	0	-3	-0.6645	0.4603	2
17	0	-3	-1.0623	0.7299	3
-17	0	3	-0.7960	0.6814	2
17	0	-4	198.043	9.799	2
-17	0	4	204.604	9.511	2
17	0	-4	204.001	9.886	3
17	0	-5	0.00493	0.56471	2
17	0	-5	-0.4835	0.7309	3

-17	0	5	-0.0858	0.6766	2
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-17	0	6	38.8057	2.2952	3
-17	0	6	38.1249	2.2419	2
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-17	0	7	0.96444	0.75433	2
-17	0	7	0.36333	1.02653	3
17	0	-8	40.0284	2.2196	2
-17	0	8	38.4929	2.2859	3
-17	0	8	39.5569	2.1813	2
17	0	-9	0.32019	0.69148	2
-17	0	9	-0.5589	0.8239	3
-17	0	10	217.037	10.583	3
17	0	-10	210.687	10.114	2
-17	0	11	-0.2788	1.7007	3
17	0	-11	-0.4152	1.6016	2
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17	0	-12	7.70221	1.08218	2
-17	0	12	9.12670	2.15682	3
17	0	-12	11.8030	2.2832	1
17	0	-13	-1.3005	0.8392	2
17	0	-13	0.60282	1.87140	1
17	0	-14	5.78333	1.04252	2
17	0	-14	7.21380	2.15151	1
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17	-1	4	51.4261	2.6379	3
17	1	4	49.8097	2.6442	3
17	-1	3	35.9320	1.9927	3
17	1	3	35.2684	2.2793	3
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17	1	2	17.7877	1.9196	3
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-17	-1	8	42.1254	2.4298	3
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-17	-2	10	37.2453	3.2465	3
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17	3	-8	3.78691	0.78076	2
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17	-3	-9	6.48742	1.91639	2
17	3	-9	6.25149	1.13135	2

-17	3	9	5.69262	1.03221	3
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17	-3	-10	22.7503	3.0109	1
17	-3	-10	28.7310	1.8378	2
17	3	-10	22.5847	3.0476	2
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17	-3	-11	4.17487	1.14644	1
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17	3	-11	4.67482	0.88763	2
-17	-3	12	0.23957	2.07833	1
17	-3	-12	0.96101	1.07714	1
17	-3	-12	0.87881	1.70401	2
17	3	-12	1.18207	0.82839	2
17	-3	-13	0.25684	1.87590	2
-17	-3	13	-0.6986	1.5090	1
17	-3	-13	0.78460	1.10456	1
17	3	-13	1.26639	0.86813	2
-17	-3	14	18.8647	1.6381	1
17	-4	6	1.92474	0.69371	3
17	4	6	0.40233	0.51140	3
17	-4	5	332.349	16.168	3
17	4	5	340.378	16.511	3
17	-4	4	2.11838	1.20021	3
17	4	4	0.54630	0.59611	3
17	-4	3	20.5788	1.7304	3
17	4	3	21.3481	1.3633	3
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-17	4	-1	75.2300	3.8128	2
-17	-4	0	-0.3008	0.6296	2
17	-4	0	-0.5168	0.6883	3
-17	4	0	0.91139	1.13122	2
-17	-4	1	80.2437	4.0027	2
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-17	4	1	77.2069	3.7269	2
-17	-4	2	4.38497	0.80755	2
17	-4	-2	4.22674	1.04965	2
17	-4	-2	4.51859	0.83100	3
-17	4	2	3.42084	0.68713	2
17	4	-2	2.95255	0.74970	2
-17	-4	3	24.2323	1.6430	2
17	-4	-3	23.3635	1.6061	3
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17	-4	-4	1.19250	0.83315	3
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-17	4	6	0.82176	1.47223	3
17	4	-6	0.91674	0.58052	2
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17	-4	-7	128.456	6.321	2
-17	-4	7	130.244	6.372	2
17	4	-7	137.698	6.856	2
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-17	4	7	142.945	6.648	3
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-17	-4	8	1.68180	0.76107	2
-17	4	8	0.17337	1.83218	3
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-17	4	8	0.93857	0.65550	2
17	-4	-9	174.975	7.923	1
17	-4	-9	176.245	8.747	2
-17	-4	9	171.231	9.298	3
-17	4	9	184.031	8.847	3
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17	-4	-10	-0.5831	1.0003	1
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-17	-4	11	1.43213	0.93703	3
17	-4	-11	2.07000	1.75343	1
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-17	4	11	1.90869	4.71297	3
17	-4	-12	-0.7273	2.7436	1
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17	-4	-13	44.0802	5.1861	1
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17	4	-13	40.6771	4.0387	2
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17	5	5	10.3041	1.0025	3
17	-5	4	16.4735	1.4587	3
17	5	4	17.6723	1.2027	3
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-17	-5	0	7.42030	1.24575	2
-17	5	0	8.87007	1.38122	2
17	-5	-1	11.2016	1.1350	3
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-17	-5	2	0.34543	0.71750	2
17	-5	-2	-0.0869	0.4001	2
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17	-5	-7	9.67931	1.01030	2
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17	5	-7	12.0523	1.1208	2
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-17	5	7	12.1915	1.2500	3
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17	-5	-8	6.98999	1.93522	2
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17	-6	0	96.4429	4.7510	3
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17	-7	0	0.02545	0.75079	3
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17	7	-6	3.14627	0.67582	2
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17	7	-13	3.59859	2.29178	2
17	-8	7	4.45452	0.98395	3
17	-8	6	31.5167	1.7830	3
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17	-8	-2	130.711	6.130	3
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17	8	-2	119.187	5.710	2
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17	-8	-3	0.41024	0.80770	3
17	-8	-3	0.66458	0.53893	2
17	8	-3	0.46120	0.46839	2
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17	-8	-4	109.025	5.473	3
17	-8	-4	99.9387	4.9063	1
17	-8	-4	107.353	5.173	2
17	8	-4	106.965	5.127	2
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17	8	-4	111.075	5.520	3
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17	8	-5	1.55929	0.58395	2
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-17	8	6	29.2264	1.7633	2
-17	-8	7	5.14821	0.97047	2
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17	-8	-7	5.24610	0.98920	1
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17	8	-9	8.71589	0.98057	2
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17	-8	-11	2.22075	1.11007	1
17	8	-11	1.01251	0.84035	2

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17	9	3	11.1893	1.7353	3
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-17	-9	0	16.3334	1.4466	2
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17	-13	-6	2.54709	1.10301	1
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17	13	-6	2.95298	0.74619	2
-17	-13	7	0.47220	1.25017	2
17	-13	-7	-0.2405	1.0710	1
17	-13	-7	-0.8869	0.9026	2
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17	13	-7	0.48660	0.69809	2
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17	-13	-8	5.68364	1.12714	2
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17	13	-8	6.45487	1.09278	2
17	-13	-9	11.3747	1.3269	2
17	-13	-9	13.1691	1.4133	1
17	13	-9	12.7344	1.2215	2
17	-13	-10	1.38373	1.05949	2
17	-13	-10	2.66615	1.64000	1
17	13	-10	3.17113	0.85601	2

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17	14	3	9.07729	7.11372	3
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17	14	2	1.65522	0.98922	3
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17	-14	1	25.0147	2.4427	3
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17	14	1	27.1174	3.3079	3
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17	-14	0	83.5677	4.3268	3
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17	-14	0	75.4554	3.7764	1
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17	14	0	78.2862	5.4691	3
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17	-14	-2	1.90866	0.99825	3
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17	-14	-8	1.16641	0.99869	2
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-17	15	-4	6.32599	0.92295	2
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-17	-16	-3	1.76567	1.15416	2
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17	-16	1	3.33008	1.01802	1
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18	2	-3	13.9351	1.4153	2

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-18	-2	6	29.6045	1.8631	2
-18	-2	6	30.6003	2.2699	3
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-18	-2	7	41.4441	2.3889	2
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18	2	-12	-1.6718	0.8355	2
18	-2	-13	6.84493	1.06130	2
18	2	-13	7.06208	1.07417	2
18	-3	6	2.18881	0.56858	3
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18	3	5	1.83176	0.62323	3
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18	3	4	12.0182	1.5099	3
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18	3	3	45.5881	2.3704	3
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18	3	2	2.01318	0.69583	3
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18	-3	0	22.7837	1.5565	3
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-18	-4	8	4.82302	1.01069	3
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18	13	-7	3.74098	0.82189	2
18	-13	-8	0.22141	1.37315	2
18	-13	-8	1.01810	1.13142	1
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18	13	-8	1.90610	1.52870	2
18	-13	-9	3.61439	1.88788	1
18	-13	-9	0.61866	1.66393	2
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20	-9	-10	4.87039	1.07845	2
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21	-2	-11	3.49553	0.98042	2
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21	3	5	0.57347	0.66211	3
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21	3	4	1.72969	0.75958	3
21	-3	3	11.0846	1.0637	3
21	3	3	9.90665	1.89836	3
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21	3	2	5.76225	1.59205	3
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21	-3	-1	8.91277	1.07583	3
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-21	-3	3	7.95885	1.07404	2
21	-3	-3	10.8043	1.1720	3
21	-3	-3	10.3169	0.8430	2
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-21	11	-1	5.60678	0.89659	2
-21	-11	0	0.54069	1.07161	2
21	-11	0	0.05224	1.26251	3
-21	11	0	-0.4611	1.3804	2
21	11	0	-0.5611	3.3906	3
21	-11	-1	4.90110	1.49615	3
-21	-11	1	4.32169	1.16136	2
-21	11	1	3.22308	0.86090	2
21	11	-1	4.15740	2.30079	3
-21	-11	2	1.44931	1.09430	2
21	-11	-2	1.27693	1.37287	3
21	11	-2	1.59912	2.38932	3
-21	11	2	1.26283	0.83478	2
-21	-11	3	4.70938	1.19912	2
-21	11	3	4.00417	0.87955	2
21	11	-3	4.90682	2.56396	3
-21	-11	4	2.71771	1.16546	2
21	-11	-4	1.49115	1.09795	2
-21	11	4	1.77315	0.99492	2
21	-11	-5	1.06088	0.79664	2
-21	-11	5	2.33472	1.13949	2
-21	11	5	0.76673	1.24021	2

21	11	-5	1.24552	0.63169	2
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-21	11	6	12.4816	1.2178	2
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21	-11	-7	4.28516	1.38926	2
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21	11	-7	2.91323	0.78706	2
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-21	12	-3	1.14525	0.82500	2
-21	-12	-2	18.1981	1.6581	2
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-21	13	-3	2.20403	0.87944	2
-21	-13	-2	4.24088	1.24171	2
-21	13	-2	6.72874	0.98952	2
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-21	13	-1	4.58818	0.91468	2
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-21	13	0	1.74512	0.84305	2
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-21	-13	3	1.61948	1.15220	2
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-21	-13	4	1.98428	1.15147	2
-21	13	4	1.07048	0.82427	2
21	-13	-5	0.33280	0.78809	2
-21	-13	5	-0.0849	1.0905	2

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-21	-14	-2	7.58037	1.33882	2
-21	14	-2	6.59315	1.03346	2
-21	-14	-1	3.95791	1.21610	2
-21	14	-1	3.32771	0.90146	2
-21	-14	0	2.41024	1.19060	2
-21	14	0	2.38045	0.86489	2
-21	-14	1	4.04780	1.24312	2
-21	14	1	3.39937	0.91168	2
-21	-14	2	6.61211	1.32199	2
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-21	-14	4	9.29769	1.39243	2
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22	0	0	11.0250	1.4203	3
-22	0	0	13.1501	1.3486	2
22	0	-1	0.40001	1.74589	3
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-22	0	2	7.90038	1.03452	2
22	0	-2	10.1051	2.1350	3
22	0	-3	-0.7555	1.3701	3
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-22	0	4	30.4581	2.5222	2
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22	0	-6	41.3933	2.2922	2
-22	0	6	42.8169	2.4831	2
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-22	0	8	50.5649	2.7611	2
22	0	-8	48.1574	3.5277	2
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22	1	5	7.35237	0.88042	3
22	-1	4	9.95182	0.98503	3
22	1	4	8.60251	0.97099	3
22	-1	3	-0.6111	0.7640	3
22	1	3	0.18430	0.74436	3
22	-1	2	15.9535	1.3200	3
22	1	2	14.3152	1.2988	3
22	-1	1	2.23053	0.85156	3
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22	1	1	3.66396	1.47815	3

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-22	1	0	3.18067	0.81609	2
22	1	0	3.38234	1.46035	3
-22	-1	1	4.02819	0.86881	2
22	-1	-1	4.95101	0.98544	3
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22	1	-1	5.05017	1.65109	3
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