

Rank-65922 over GF(32)

January 15, 2021

The equation

The equation of the surface is :

$$X_0^3 + X_1^3 + X_2^3 + X_3^3 + X_0^2 X_1 + X_0^2 X_2 + X_0^2 X_3 + X_1^2 X_2 + X_0 X_1 X_2 = 0$$

(1, 1, 1, 1, 1, 1, 1, 0, 1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0)

The point rank of the equation over GF(32) is -2078209978

General information

Number of lines	0
Number of points	993
Number of singular points	0
Number of Eckardt points	0
Number of double points	0
Number of single points	0
Number of points off lines	993
Number of Hesse planes	0
Number of axes	0
Type of points on lines	
Type of lines on points	0^{993}

Singular Points

The surface has 0 singular points:

The 0 Lines

The lines and their Pluecker coordinates are:

Rank of lines: ()

Rank of points on Klein quadric: ()

Eckardt Points

The surface has 0 Eckardt points:

Double Points

The surface has 0 Double points:

The double points on the surface are:

Single Points

The surface has 0 single points:

The single points on the surface are:

The single points on the surface are:

Points on surface but on no line

The surface has 993 points not on any line:

The points on the surface but not on lines are:

0 : $P_{1090} = (0, 1, 0, 1)$	27 : $P_{1796} = (2, 23, 0, 1)$
1 : $P_{1127} = (5, 2, 0, 1)$	28 : $P_{1809} = (15, 23, 0, 1)$
2 : $P_{1162} = (8, 3, 0, 1)$	29 : $P_{1821} = (27, 23, 0, 1)$
3 : $P_{1177} = (23, 3, 0, 1)$	30 : $P_{1828} = (2, 24, 0, 1)$
4 : $P_{1183} = (29, 3, 0, 1)$	31 : $P_{1830} = (4, 24, 0, 1)$
5 : $P_{1203} = (17, 4, 0, 1)$	32 : $P_{1857} = (31, 24, 0, 1)$
6 : $P_{1228} = (10, 5, 0, 1)$	33 : $P_{1909} = (19, 26, 0, 1)$
7 : $P_{1240} = (22, 5, 0, 1)$	34 : $P_{1910} = (20, 26, 0, 1)$
8 : $P_{1242} = (24, 5, 0, 1)$	35 : $P_{1918} = (28, 26, 0, 1)$
9 : $P_{1286} = (4, 7, 0, 1)$	36 : $P_{1925} = (3, 27, 0, 1)$
10 : $P_{1298} = (16, 7, 0, 1)$	37 : $P_{1965} = (11, 28, 0, 1)$
11 : $P_{1300} = (18, 7, 0, 1)$	38 : $P_{1967} = (13, 28, 0, 1)$
12 : $P_{1359} = (13, 9, 0, 1)$	39 : $P_{1981} = (27, 28, 0, 1)$
13 : $P_{1437} = (27, 11, 0, 1)$	40 : $P_{2054} = (4, 31, 0, 1)$
14 : $P_{1448} = (6, 12, 0, 1)$	41 : $P_{2082} = (0, 0, 1, 1)$
15 : $P_{1463} = (21, 12, 0, 1)$	42 : $P_{2114} = (0, 1, 1, 1)$
16 : $P_{1472} = (30, 12, 0, 1)$	43 : $P_{2188} = (11, 3, 1, 1)$
17 : $P_{1500} = (26, 13, 0, 1)$	44 : $P_{2200} = (23, 3, 1, 1)$
18 : $P_{1540} = (2, 15, 0, 1)$	45 : $P_{2208} = (31, 3, 1, 1)$
19 : $P_{1582} = (12, 16, 0, 1)$	46 : $P_{2256} = (15, 5, 1, 1)$
20 : $P_{1609} = (7, 17, 0, 1)$	47 : $P_{2259} = (18, 5, 1, 1)$
21 : $P_{1616} = (14, 17, 0, 1)$	48 : $P_{2265} = (24, 5, 1, 1)$
22 : $P_{1627} = (25, 17, 0, 1)$	49 : $P_{2294} = (21, 6, 1, 1)$
23 : $P_{1650} = (16, 18, 0, 1)$	50 : $P_{2355} = (18, 8, 1, 1)$
24 : $P_{1739} = (9, 21, 0, 1)$	51 : $P_{2376} = (7, 9, 1, 1)$
25 : $P_{1743} = (13, 21, 0, 1)$	52 : $P_{2410} = (9, 10, 1, 1)$
26 : $P_{1746} = (16, 21, 0, 1)$	53 : $P_{2454} = (21, 11, 1, 1)$

54 : $P_{2476} = (11, 12, 1, 1)$	108 : $P_{4177} = (16, 1, 3, 1)$
55 : $P_{2483} = (18, 12, 1, 1)$	109 : $P_{4202} = (9, 2, 3, 1)$
56 : $P_{2486} = (21, 12, 1, 1)$	110 : $P_{4229} = (4, 3, 3, 1)$
57 : $P_{2540} = (11, 14, 1, 1)$	111 : $P_{4321} = (0, 6, 3, 1)$
58 : $P_{2589} = (28, 15, 1, 1)$	112 : $P_{4330} = (9, 6, 3, 1)$
59 : $P_{2632} = (7, 17, 1, 1)$	113 : $P_{4334} = (13, 6, 3, 1)$
60 : $P_{2634} = (9, 17, 1, 1)$	114 : $P_{4362} = (9, 7, 3, 1)$
61 : $P_{2656} = (31, 17, 1, 1)$	115 : $P_{4375} = (22, 7, 3, 1)$
62 : $P_{2681} = (24, 18, 1, 1)$	116 : $P_{4379} = (26, 7, 3, 1)$
63 : $P_{2720} = (31, 19, 1, 1)$	117 : $P_{4393} = (8, 8, 3, 1)$
64 : $P_{2749} = (28, 20, 1, 1)$	118 : $P_{4401} = (16, 8, 3, 1)$
65 : $P_{2809} = (24, 22, 1, 1)$	119 : $P_{4403} = (18, 8, 3, 1)$
66 : $P_{2888} = (7, 25, 1, 1)$	120 : $P_{4465} = (16, 10, 3, 1)$
67 : $P_{2922} = (9, 26, 1, 1)$	121 : $P_{4489} = (8, 11, 3, 1)$
68 : $P_{2928} = (15, 26, 1, 1)$	122 : $P_{4551} = (6, 13, 3, 1)$
69 : $P_{2941} = (28, 26, 1, 1)$	123 : $P_{4598} = (21, 14, 3, 1)$
70 : $P_{3032} = (23, 29, 1, 1)$	124 : $P_{4611} = (2, 15, 3, 1)$
71 : $P_{3056} = (15, 30, 1, 1)$	125 : $P_{4629} = (20, 15, 3, 1)$
72 : $P_{3096} = (23, 31, 1, 1)$	126 : $P_{4636} = (27, 15, 3, 1)$
73 : $P_{3110} = (5, 0, 2, 1)$	127 : $P_{4704} = (31, 17, 3, 1)$
74 : $P_{3157} = (20, 1, 2, 1)$	128 : $P_{4792} = (23, 20, 3, 1)$
75 : $P_{3185} = (16, 2, 2, 1)$	129 : $P_{4805} = (4, 21, 3, 1)$
76 : $P_{3270} = (5, 5, 2, 1)$	130 : $P_{4848} = (15, 22, 3, 1)$
77 : $P_{3320} = (23, 6, 2, 1)$	131 : $P_{4853} = (20, 22, 3, 1)$
78 : $P_{3334} = (5, 7, 2, 1)$	132 : $P_{4888} = (23, 23, 3, 1)$
79 : $P_{3357} = (28, 7, 2, 1)$	133 : $P_{4900} = (3, 24, 3, 1)$
80 : $P_{3358} = (29, 7, 2, 1)$	134 : $P_{4902} = (5, 24, 3, 1)$
81 : $P_{3379} = (18, 8, 2, 1)$	135 : $P_{4925} = (28, 24, 3, 1)$
82 : $P_{3436} = (11, 10, 2, 1)$	136 : $P_{4961} = (0, 26, 3, 1)$
83 : $P_{3437} = (12, 10, 2, 1)$	137 : $P_{4973} = (12, 26, 3, 1)$
84 : $P_{3439} = (14, 10, 2, 1)$	138 : $P_{4981} = (20, 26, 3, 1)$
85 : $P_{3523} = (2, 13, 2, 1)$	139 : $P_{5042} = (17, 28, 3, 1)$
86 : $P_{3540} = (19, 13, 2, 1)$	140 : $P_{5086} = (29, 29, 3, 1)$
87 : $P_{3552} = (31, 13, 2, 1)$	141 : $P_{5118} = (29, 30, 3, 1)$
88 : $P_{3593} = (8, 15, 2, 1)$	142 : $P_{5121} = (0, 31, 3, 1)$
89 : $P_{3680} = (31, 17, 2, 1)$	143 : $P_{5170} = (17, 0, 4, 1)$
90 : $P_{3704} = (23, 18, 2, 1)$	144 : $P_{5214} = (29, 1, 4, 1)$
91 : $P_{3729} = (16, 19, 2, 1)$	145 : $P_{5253} = (4, 3, 4, 1)$
92 : $P_{3739} = (26, 19, 2, 1)$	146 : $P_{5294} = (13, 4, 4, 1)$
93 : $P_{3762} = (17, 20, 2, 1)$	147 : $P_{5359} = (14, 6, 4, 1)$
94 : $P_{3779} = (2, 21, 2, 1)$	148 : $P_{5405} = (28, 7, 4, 1)$
95 : $P_{3821} = (12, 22, 2, 1)$	149 : $P_{5412} = (3, 8, 4, 1)$
96 : $P_{3823} = (14, 22, 2, 1)$	150 : $P_{5422} = (13, 8, 4, 1)$
97 : $P_{3832} = (23, 22, 2, 1)$	151 : $P_{5465} = (24, 9, 4, 1)$
98 : $P_{3856} = (15, 23, 2, 1)$	152 : $P_{5482} = (9, 10, 4, 1)$
99 : $P_{3894} = (21, 24, 2, 1)$	153 : $P_{5555} = (18, 12, 4, 1)$
100 : $P_{3915} = (10, 25, 2, 1)$	154 : $P_{5616} = (15, 14, 4, 1)$
101 : $P_{3939} = (2, 26, 2, 1)$	155 : $P_{5627} = (26, 14, 4, 1)$
102 : $P_{4077} = (12, 30, 2, 1)$	156 : $P_{5631} = (30, 14, 4, 1)$
103 : $P_{4079} = (14, 30, 2, 1)$	157 : $P_{5714} = (17, 17, 4, 1)$
104 : $P_{4096} = (31, 30, 2, 1)$	158 : $P_{5779} = (18, 19, 4, 1)$
105 : $P_{4137} = (8, 0, 3, 1)$	159 : $P_{5787} = (26, 19, 4, 1)$
106 : $P_{4152} = (23, 0, 3, 1)$	160 : $P_{5791} = (30, 19, 4, 1)$
107 : $P_{4158} = (29, 0, 3, 1)$	161 : $P_{5817} = (24, 20, 4, 1)$

162 : $P_{5842} = (17, 21, 4, 1)$	216 : $P_{7421} = (28, 6, 6, 1)$
163 : $P_{5847} = (22, 21, 4, 1)$	217 : $P_{7453} = (28, 7, 6, 1)$
164 : $P_{5848} = (23, 21, 4, 1)$	218 : $P_{7527} = (6, 10, 6, 1)$
165 : $P_{5952} = (31, 24, 4, 1)$	219 : $P_{7538} = (17, 10, 6, 1)$
166 : $P_{5977} = (24, 25, 4, 1)$	220 : $P_{7547} = (26, 10, 6, 1)$
167 : $P_{5979} = (26, 25, 4, 1)$	221 : $P_{7590} = (5, 12, 6, 1)$
168 : $P_{5983} = (30, 25, 4, 1)$	222 : $P_{7668} = (19, 14, 6, 1)$
169 : $P_{6021} = (4, 27, 4, 1)$	223 : $P_{7727} = (14, 16, 6, 1)$
170 : $P_{6025} = (8, 27, 4, 1)$	224 : $P_{7749} = (4, 17, 6, 1)$
171 : $P_{6035} = (18, 27, 4, 1)$	225 : $P_{7755} = (10, 17, 6, 1)$
172 : $P_{6053} = (4, 28, 4, 1)$	226 : $P_{7769} = (24, 17, 6, 1)$
173 : $P_{6093} = (12, 29, 4, 1)$	227 : $P_{7835} = (26, 19, 6, 1)$
174 : $P_{6155} = (10, 31, 4, 1)$	228 : $P_{7880} = (7, 21, 6, 1)$
175 : $P_{6187} = (10, 0, 5, 1)$	229 : $P_{7940} = (3, 23, 6, 1)$
176 : $P_{6199} = (22, 0, 5, 1)$	230 : $P_{7998} = (29, 24, 6, 1)$
177 : $P_{6201} = (24, 0, 5, 1)$	231 : $P_{8041} = (8, 26, 6, 1)$
178 : $P_{6222} = (13, 1, 5, 1)$	232 : $P_{8080} = (15, 27, 6, 1)$
179 : $P_{6273} = (0, 3, 5, 1)$	233 : $P_{8110} = (13, 28, 6, 1)$
180 : $P_{6299} = (26, 3, 5, 1)$	234 : $P_{8202} = (9, 31, 6, 1)$
181 : $P_{6302} = (29, 3, 5, 1)$	235 : $P_{8204} = (11, 31, 6, 1)$
182 : $P_{6316} = (11, 4, 5, 1)$	236 : $P_{8219} = (26, 31, 6, 1)$
183 : $P_{6353} = (16, 5, 5, 1)$	237 : $P_{8229} = (4, 0, 7, 1)$
184 : $P_{6406} = (5, 7, 5, 1)$	238 : $P_{8241} = (16, 0, 7, 1)$
185 : $P_{6418} = (17, 7, 5, 1)$	239 : $P_{8243} = (18, 0, 7, 1)$
186 : $P_{6424} = (23, 7, 5, 1)$	240 : $P_{8302} = (13, 2, 7, 1)$
187 : $P_{6506} = (9, 10, 5, 1)$	241 : $P_{8325} = (4, 3, 7, 1)$
188 : $P_{6507} = (10, 10, 5, 1)$	242 : $P_{8351} = (30, 3, 7, 1)$
189 : $P_{6510} = (13, 10, 5, 1)$	243 : $P_{8352} = (31, 3, 7, 1)$
190 : $P_{6579} = (18, 12, 5, 1)$	244 : $P_{8357} = (4, 4, 7, 1)$
191 : $P_{6638} = (13, 14, 5, 1)$	245 : $P_{8393} = (8, 5, 7, 1)$
192 : $P_{6667} = (10, 15, 5, 1)$	246 : $P_{8428} = (11, 6, 7, 1)$
193 : $P_{6753} = (0, 18, 5, 1)$	247 : $P_{8454} = (5, 7, 7, 1)$
194 : $P_{6807} = (22, 19, 5, 1)$	248 : $P_{8476} = (27, 7, 7, 1)$
195 : $P_{6817} = (0, 20, 5, 1)$	249 : $P_{8480} = (31, 7, 7, 1)$
196 : $P_{6828} = (11, 20, 5, 1)$	250 : $P_{8486} = (5, 8, 7, 1)$
197 : $P_{6844} = (27, 20, 5, 1)$	251 : $P_{8502} = (21, 8, 7, 1)$
198 : $P_{6852} = (3, 21, 5, 1)$	252 : $P_{8511} = (30, 8, 7, 1)$
199 : $P_{6860} = (11, 21, 5, 1)$	253 : $P_{8609} = (0, 12, 7, 1)$
200 : $P_{6874} = (25, 21, 5, 1)$	254 : $P_{8629} = (20, 12, 7, 1)$
201 : $P_{6903} = (22, 22, 5, 1)$	255 : $P_{8639} = (30, 12, 7, 1)$
202 : $P_{6925} = (12, 23, 5, 1)$	256 : $P_{8729} = (24, 15, 7, 1)$
203 : $P_{6969} = (24, 24, 5, 1)$	257 : $P_{8748} = (11, 16, 7, 1)$
204 : $P_{7006} = (29, 25, 5, 1)$	258 : $P_{8750} = (13, 16, 7, 1)$
205 : $P_{7008} = (31, 25, 5, 1)$	259 : $P_{8753} = (16, 16, 7, 1)$
206 : $P_{7061} = (20, 27, 5, 1)$	260 : $P_{8780} = (11, 17, 7, 1)$
207 : $P_{7089} = (16, 28, 5, 1)$	261 : $P_{8819} = (18, 18, 7, 1)$
208 : $P_{7129} = (24, 29, 5, 1)$	262 : $P_{8828} = (27, 18, 7, 1)$
209 : $P_{7165} = (28, 30, 5, 1)$	263 : $P_{8830} = (29, 18, 7, 1)$
210 : $P_{7171} = (2, 31, 5, 1)$	264 : $P_{8886} = (21, 20, 7, 1)$
211 : $P_{7173} = (4, 31, 5, 1)$	265 : $P_{8909} = (12, 21, 7, 1)$
212 : $P_{7198} = (29, 31, 5, 1)$	266 : $P_{8910} = (13, 21, 7, 1)$
213 : $P_{7328} = (31, 3, 6, 1)$	267 : $P_{8915} = (18, 21, 7, 1)$
214 : $P_{7341} = (12, 4, 6, 1)$	268 : $P_{8936} = (7, 22, 7, 1)$
215 : $P_{7361} = (0, 5, 6, 1)$	269 : $P_{8977} = (16, 23, 7, 1)$

270 : $P_{9003} = (10, 24, 7, 1)$
 271 : $P_{9047} = (22, 25, 7, 1)$
 272 : $P_{9110} = (21, 27, 7, 1)$
 273 : $P_{9127} = (6, 28, 7, 1)$
 274 : $P_{9187} = (2, 30, 7, 1)$
 275 : $P_{9302} = (21, 1, 8, 1)$
 276 : $P_{9388} = (11, 4, 8, 1)$
 277 : $P_{9402} = (25, 4, 8, 1)$
 278 : $P_{9408} = (31, 4, 8, 1)$
 279 : $P_{9420} = (11, 5, 8, 1)$
 280 : $P_{9448} = (7, 6, 8, 1)$
 281 : $P_{9456} = (15, 6, 8, 1)$
 282 : $P_{9530} = (25, 8, 8, 1)$
 283 : $P_{9548} = (11, 9, 8, 1)$
 284 : $P_{9560} = (23, 9, 8, 1)$
 285 : $P_{9565} = (28, 9, 8, 1)$
 286 : $P_{9609} = (8, 11, 8, 1)$
 287 : $P_{9647} = (14, 12, 8, 1)$
 288 : $P_{9709} = (12, 14, 8, 1)$
 289 : $P_{9940} = (19, 21, 8, 1)$
 290 : $P_{9971} = (18, 22, 8, 1)$
 291 : $P_{9994} = (9, 23, 8, 1)$
 292 : $P_{10027} = (10, 24, 8, 1)$
 293 : $P_{10084} = (3, 26, 8, 1)$
 294 : $P_{10087} = (6, 26, 8, 1)$
 295 : $P_{10103} = (22, 26, 8, 1)$
 296 : $P_{10265} = (24, 31, 8, 1)$
 297 : $P_{10286} = (13, 0, 9, 1)$
 298 : $P_{10320} = (15, 1, 9, 1)$
 299 : $P_{10367} = (30, 2, 9, 1)$
 300 : $P_{10383} = (14, 3, 9, 1)$
 301 : $P_{10414} = (13, 4, 9, 1)$
 302 : $P_{10464} = (31, 5, 9, 1)$
 303 : $P_{10476} = (11, 6, 9, 1)$
 304 : $P_{10580} = (19, 9, 9, 1)$
 305 : $P_{10651} = (26, 11, 9, 1)$
 306 : $P_{10702} = (13, 13, 9, 1)$
 307 : $P_{10707} = (18, 13, 9, 1)$
 308 : $P_{10715} = (26, 13, 9, 1)$
 309 : $P_{10748} = (27, 14, 9, 1)$
 310 : $P_{10758} = (5, 15, 9, 1)$
 311 : $P_{10777} = (24, 15, 9, 1)$
 312 : $P_{10779} = (26, 15, 9, 1)$
 313 : $P_{10897} = (16, 19, 9, 1)$
 314 : $P_{10899} = (18, 19, 9, 1)$
 315 : $P_{10906} = (25, 19, 9, 1)$
 316 : $P_{10991} = (14, 22, 9, 1)$
 317 : $P_{11027} = (18, 23, 9, 1)$
 318 : $P_{11041} = (0, 24, 9, 1)$
 319 : $P_{11178} = (9, 28, 9, 1)$
 320 : $P_{11183} = (14, 28, 9, 1)$
 321 : $P_{11188} = (19, 28, 9, 1)$
 322 : $P_{11211} = (10, 29, 9, 1)$
 323 : $P_{11222} = (21, 29, 9, 1)$

324 : $P_{11237} = (4, 30, 9, 1)$
 325 : $P_{11239} = (6, 30, 9, 1)$
 326 : $P_{11253} = (20, 30, 9, 1)$
 327 : $P_{11357} = (28, 1, 10, 1)$
 328 : $P_{11398} = (5, 3, 10, 1)$
 329 : $P_{11413} = (20, 3, 10, 1)$
 330 : $P_{11418} = (25, 3, 10, 1)$
 331 : $P_{11535} = (14, 7, 10, 1)$
 332 : $P_{11623} = (6, 10, 10, 1)$
 333 : $P_{11664} = (15, 11, 10, 1)$
 334 : $P_{11672} = (23, 11, 10, 1)$
 335 : $P_{11673} = (24, 11, 10, 1)$
 336 : $P_{11787} = (10, 15, 10, 1)$
 337 : $P_{11815} = (6, 16, 10, 1)$
 338 : $P_{11824} = (15, 16, 10, 1)$
 339 : $P_{11827} = (18, 16, 10, 1)$
 340 : $P_{11856} = (15, 17, 10, 1)$
 341 : $P_{11880} = (7, 18, 10, 1)$
 342 : $P_{11958} = (21, 20, 10, 1)$
 343 : $P_{11968} = (31, 20, 10, 1)$
 344 : $P_{12076} = (11, 24, 10, 1)$
 345 : $P_{12106} = (9, 25, 10, 1)$
 346 : $P_{12159} = (30, 26, 10, 1)$
 347 : $P_{12201} = (8, 28, 10, 1)$
 348 : $P_{12283} = (26, 30, 10, 1)$
 349 : $P_{12348} = (27, 0, 11, 1)$
 350 : $P_{12384} = (31, 1, 11, 1)$
 351 : $P_{12468} = (19, 4, 11, 1)$
 352 : $P_{12511} = (30, 5, 11, 1)$
 353 : $P_{12545} = (0, 7, 11, 1)$
 354 : $P_{12583} = (6, 8, 11, 1)$
 355 : $P_{12586} = (9, 8, 11, 1)$
 356 : $P_{12590} = (13, 8, 11, 1)$
 357 : $P_{12681} = (8, 11, 11, 1)$
 358 : $P_{12804} = (3, 15, 11, 1)$
 359 : $P_{12860} = (27, 16, 11, 1)$
 360 : $P_{12883} = (18, 17, 11, 1)$
 361 : $P_{12945} = (16, 19, 11, 1)$
 362 : $P_{12949} = (20, 19, 11, 1)$
 363 : $P_{12958} = (29, 19, 11, 1)$
 364 : $P_{12976} = (15, 20, 11, 1)$
 365 : $P_{13039} = (14, 22, 11, 1)$
 366 : $P_{13053} = (28, 22, 11, 1)$
 367 : $P_{13065} = (8, 23, 11, 1)$
 368 : $P_{13068} = (11, 23, 11, 1)$
 369 : $P_{13087} = (30, 23, 11, 1)$
 370 : $P_{13098} = (9, 24, 11, 1)$
 371 : $P_{13151} = (30, 25, 11, 1)$
 372 : $P_{13188} = (3, 27, 11, 1)$
 373 : $P_{13194} = (9, 27, 11, 1)$
 374 : $P_{13212} = (27, 27, 11, 1)$
 375 : $P_{13283} = (2, 30, 11, 1)$
 376 : $P_{13316} = (3, 31, 11, 1)$
 377 : $P_{13320} = (7, 31, 11, 1)$

378 : $P_{13330} = (17, 31, 11, 1)$
 379 : $P_{13351} = (6, 0, 12, 1)$
 380 : $P_{13366} = (21, 0, 12, 1)$
 381 : $P_{13375} = (30, 0, 12, 1)$
 382 : $P_{13379} = (2, 1, 12, 1)$
 383 : $P_{13452} = (11, 3, 12, 1)$
 384 : $P_{13495} = (22, 4, 12, 1)$
 385 : $P_{13543} = (6, 6, 12, 1)$
 386 : $P_{13572} = (3, 7, 12, 1)$
 387 : $P_{13625} = (24, 8, 12, 1)$
 388 : $P_{13646} = (13, 9, 12, 1)$
 389 : $P_{13649} = (16, 9, 12, 1)$
 390 : $P_{13658} = (25, 9, 12, 1)$
 391 : $P_{13671} = (6, 10, 12, 1)$
 392 : $P_{13697} = (0, 11, 12, 1)$
 393 : $P_{13756} = (27, 12, 12, 1)$
 394 : $P_{13792} = (31, 13, 12, 1)$
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 792 : $P_{26918} = (5, 8, 25, 1)$
 793 : $P_{26925} = (12, 8, 25, 1)$
 794 : $P_{26938} = (25, 8, 25, 1)$
 795 : $P_{27007} = (30, 10, 25, 1)$
 796 : $P_{27060} = (19, 12, 25, 1)$
 797 : $P_{27084} = (11, 13, 25, 1)$
 798 : $P_{27146} = (9, 15, 25, 1)$
 799 : $P_{27149} = (12, 15, 25, 1)$
 800 : $P_{27155} = (18, 15, 25, 1)$
 801 : $P_{27204} = (3, 17, 25, 1)$
 802 : $P_{27345} = (16, 21, 25, 1)$
 803 : $P_{27413} = (20, 23, 25, 1)$
 804 : $P_{27446} = (21, 24, 25, 1)$
 805 : $P_{27478} = (21, 25, 25, 1)$
 806 : $P_{27504} = (15, 26, 25, 1)$
 807 : $P_{27579} = (26, 28, 25, 1)$
 808 : $P_{27629} = (12, 30, 25, 1)$
 809 : $P_{27700} = (19, 0, 26, 1)$

810 : $P_{27701} = (20, 0, 26, 1)$
 811 : $P_{27709} = (28, 0, 26, 1)$
 812 : $P_{27717} = (4, 1, 26, 1)$
 813 : $P_{27856} = (15, 5, 26, 1)$
 814 : $P_{27901} = (28, 6, 26, 1)$
 815 : $P_{27907} = (2, 7, 26, 1)$
 816 : $P_{27941} = (4, 8, 26, 1)$
 817 : $P_{27988} = (19, 9, 26, 1)$
 818 : $P_{28008} = (7, 10, 26, 1)$
 819 : $P_{28039} = (6, 11, 26, 1)$
 820 : $P_{28046} = (13, 11, 26, 1)$
 821 : $P_{28060} = (27, 11, 26, 1)$
 822 : $P_{28065} = (0, 12, 26, 1)$
 823 : $P_{28071} = (6, 12, 26, 1)$
 824 : $P_{28082} = (17, 12, 26, 1)$
 825 : $P_{28149} = (20, 14, 26, 1)$
 826 : $P_{28161} = (0, 15, 26, 1)$
 827 : $P_{28218} = (25, 16, 26, 1)$
 828 : $P_{28293} = (4, 19, 26, 1)$
 829 : $P_{28308} = (19, 19, 26, 1)$
 830 : $P_{28320} = (31, 19, 26, 1)$
 831 : $P_{28341} = (20, 20, 26, 1)$
 832 : $P_{28358} = (5, 21, 26, 1)$
 833 : $P_{28420} = (3, 23, 26, 1)$
 834 : $P_{28438} = (21, 23, 26, 1)$
 835 : $P_{28443} = (26, 23, 26, 1)$
 836 : $P_{28461} = (12, 24, 26, 1)$
 837 : $P_{28467} = (18, 24, 26, 1)$
 838 : $P_{28478} = (29, 24, 26, 1)$
 839 : $P_{28481} = (0, 25, 26, 1)$
 840 : $P_{28497} = (16, 25, 26, 1)$
 841 : $P_{28499} = (18, 25, 26, 1)$
 842 : $P_{28515} = (2, 26, 26, 1)$
 843 : $P_{28563} = (18, 27, 26, 1)$
 844 : $P_{28605} = (28, 28, 26, 1)$
 845 : $P_{28615} = (6, 29, 26, 1)$
 846 : $P_{28620} = (11, 29, 26, 1)$
 847 : $P_{28708} = (3, 0, 27, 1)$
 848 : $P_{28743} = (6, 1, 27, 1)$
 849 : $P_{28804} = (3, 3, 27, 1)$
 850 : $P_{28880} = (15, 5, 27, 1)$
 851 : $P_{28902} = (5, 6, 27, 1)$
 852 : $P_{28956} = (27, 7, 27, 1)$
 853 : $P_{28970} = (9, 8, 27, 1)$
 854 : $P_{28971} = (10, 8, 27, 1)$
 855 : $P_{28978} = (17, 8, 27, 1)$
 856 : $P_{29076} = (19, 11, 27, 1)$
 857 : $P_{29116} = (27, 12, 27, 1)$
 858 : $P_{29163} = (10, 14, 27, 1)$
 859 : $P_{29168} = (15, 14, 27, 1)$
 860 : $P_{29170} = (17, 14, 27, 1)$
 861 : $P_{29232} = (15, 16, 27, 1)$
 862 : $P_{29244} = (27, 16, 27, 1)$
 863 : $P_{29247} = (30, 16, 27, 1)$

864 : $P_{29344} = (31, 19, 27, 1)$
 865 : $P_{29417} = (8, 22, 27, 1)$
 866 : $P_{29448} = (7, 23, 27, 1)$
 867 : $P_{29476} = (3, 24, 27, 1)$
 868 : $P_{29493} = (20, 24, 27, 1)$
 869 : $P_{29494} = (21, 24, 27, 1)$
 870 : $P_{29533} = (28, 25, 27, 1)$
 871 : $P_{29573} = (4, 27, 27, 1)$
 872 : $P_{29612} = (11, 28, 27, 1)$
 873 : $P_{29643} = (10, 29, 27, 1)$
 874 : $P_{29650} = (17, 29, 27, 1)$
 875 : $P_{29661} = (28, 29, 27, 1)$
 876 : $P_{29669} = (4, 30, 27, 1)$
 877 : $P_{29677} = (12, 30, 27, 1)$
 878 : $P_{29725} = (28, 31, 27, 1)$
 879 : $P_{29740} = (11, 0, 28, 1)$
 880 : $P_{29742} = (13, 0, 28, 1)$
 881 : $P_{29756} = (27, 0, 28, 1)$
 882 : $P_{29825} = (0, 3, 28, 1)$
 883 : $P_{29833} = (8, 3, 28, 1)$
 884 : $P_{29847} = (22, 3, 28, 1)$
 885 : $P_{29880} = (23, 4, 28, 1)$
 886 : $P_{29949} = (28, 6, 28, 1)$
 887 : $P_{29980} = (27, 7, 28, 1)$
 888 : $P_{30001} = (16, 8, 28, 1)$
 889 : $P_{30085} = (4, 11, 28, 1)$
 890 : $P_{30092} = (11, 11, 28, 1)$
 891 : $P_{30106} = (25, 11, 28, 1)$
 892 : $P_{30127} = (14, 12, 28, 1)$
 893 : $P_{30158} = (13, 13, 28, 1)$
 894 : $P_{30185} = (8, 14, 28, 1)$
 895 : $P_{30189} = (12, 14, 28, 1)$
 896 : $P_{30200} = (23, 14, 28, 1)$
 897 : $P_{30243} = (2, 16, 28, 1)$
 898 : $P_{30281} = (8, 17, 28, 1)$
 899 : $P_{30282} = (9, 17, 28, 1)$
 900 : $P_{30286} = (13, 17, 28, 1)$
 901 : $P_{30326} = (21, 18, 28, 1)$
 902 : $P_{30375} = (6, 20, 28, 1)$
 903 : $P_{30431} = (30, 21, 28, 1)$
 904 : $P_{30456} = (23, 22, 28, 1)$
 905 : $P_{30467} = (2, 23, 28, 1)$
 906 : $P_{30468} = (3, 23, 28, 1)$
 907 : $P_{30476} = (11, 23, 28, 1)$
 908 : $P_{30526} = (29, 24, 28, 1)$
 909 : $P_{30592} = (31, 26, 28, 1)$
 910 : $P_{30595} = (2, 27, 28, 1)$
 911 : $P_{30620} = (27, 27, 28, 1)$
 912 : $P_{30624} = (31, 27, 28, 1)$
 913 : $P_{30629} = (4, 28, 28, 1)$
 914 : $P_{30634} = (9, 28, 28, 1)$
 915 : $P_{30637} = (12, 28, 28, 1)$
 916 : $P_{30688} = (31, 29, 28, 1)$
 917 : $P_{30861} = (12, 3, 29, 1)$

918 : $P_{30899} = (18, 4, 29, 1)$	956 : $P_{32659} = (18, 27, 30, 1)$
919 : $P_{30927} = (14, 5, 29, 1)$	957 : $P_{32670} = (29, 27, 30, 1)$
920 : $P_{30994} = (17, 7, 29, 1)$	958 : $P_{32692} = (19, 28, 30, 1)$
921 : $P_{31046} = (5, 9, 29, 1)$	959 : $P_{32766} = (29, 30, 30, 1)$
922 : $P_{31056} = (15, 9, 29, 1)$	960 : $P_{32776} = (7, 31, 30, 1)$
923 : $P_{31072} = (31, 9, 29, 1)$	961 : $P_{32787} = (18, 31, 30, 1)$
924 : $P_{31078} = (5, 10, 29, 1)$	962 : $P_{32790} = (21, 31, 30, 1)$
925 : $P_{31137} = (0, 12, 29, 1)$	963 : $P_{32805} = (4, 0, 31, 1)$
926 : $P_{31172} = (3, 13, 29, 1)$	964 : $P_{32842} = (9, 1, 31, 1)$
927 : $P_{31306} = (9, 17, 29, 1)$	965 : $P_{32933} = (4, 4, 31, 1)$
928 : $P_{31371} = (10, 19, 29, 1)$	966 : $P_{32944} = (15, 4, 31, 1)$
929 : $P_{31450} = (25, 21, 29, 1)$	967 : $P_{32946} = (17, 4, 31, 1)$
930 : $P_{31517} = (28, 23, 29, 1)$	968 : $P_{33012} = (19, 6, 31, 1)$
931 : $P_{31523} = (2, 24, 29, 1)$	969 : $P_{33017} = (24, 6, 31, 1)$
932 : $P_{31598} = (13, 26, 29, 1)$	970 : $P_{33033} = (8, 7, 31, 1)$
933 : $P_{31606} = (21, 26, 29, 1)$	971 : $P_{33039} = (14, 7, 31, 1)$
934 : $P_{31615} = (30, 26, 29, 1)$	972 : $P_{33056} = (31, 7, 31, 1)$
935 : $P_{31636} = (19, 27, 29, 1)$	973 : $P_{33073} = (16, 8, 31, 1)$
936 : $P_{31673} = (24, 28, 29, 1)$	974 : $P_{33106} = (17, 9, 31, 1)$
937 : $P_{31705} = (24, 29, 29, 1)$	975 : $P_{33115} = (26, 9, 31, 1)$
938 : $P_{31718} = (5, 30, 29, 1)$	976 : $P_{33117} = (28, 9, 31, 1)$
939 : $P_{31739} = (26, 30, 29, 1)$	977 : $P_{33143} = (22, 10, 31, 1)$
940 : $P_{31742} = (29, 30, 29, 1)$	978 : $P_{33146} = (25, 10, 31, 1)$
941 : $P_{31833} = (24, 1, 30, 1)$	979 : $P_{33148} = (27, 10, 31, 1)$
942 : $P_{31945} = (8, 5, 30, 1)$	980 : $P_{33193} = (8, 12, 31, 1)$
943 : $P_{32038} = (5, 8, 30, 1)$	981 : $P_{33227} = (10, 13, 31, 1)$
944 : $P_{32157} = (28, 11, 30, 1)$	982 : $P_{33251} = (2, 14, 31, 1)$
945 : $P_{32333} = (12, 17, 30, 1)$	983 : $P_{33264} = (15, 14, 31, 1)$
946 : $P_{32341} = (20, 17, 30, 1)$	984 : $P_{33278} = (29, 14, 31, 1)$
947 : $P_{32343} = (22, 17, 30, 1)$	985 : $P_{33394} = (17, 18, 31, 1)$
948 : $P_{32383} = (30, 18, 30, 1)$	986 : $P_{33449} = (8, 20, 31, 1)$
949 : $P_{32432} = (15, 20, 30, 1)$	987 : $P_{33488} = (15, 21, 31, 1)$
950 : $P_{32480} = (31, 21, 30, 1)$	988 : $P_{33523} = (18, 22, 31, 1)$
951 : $P_{32490} = (9, 22, 30, 1)$	989 : $P_{33644} = (11, 26, 31, 1)$
952 : $P_{32504} = (23, 22, 30, 1)$	990 : $P_{33669} = (4, 27, 31, 1)$
953 : $P_{32559} = (14, 24, 30, 1)$	991 : $P_{33697} = (0, 28, 31, 1)$
954 : $P_{32627} = (18, 26, 30, 1)$	992 : $P_{33807} = (14, 31, 31, 1)$
955 : $P_{32652} = (11, 27, 30, 1)$	

Line Intersection Graph

]

Neighbor sets in the line intersection graph:

The surface has 993 points:

The points on the surface are:

0 : $P_{1090} = (0, 1, 0, 1)$	6 : $P_{1228} = (10, 5, 0, 1)$	12 : $P_{1359} = (13, 9, 0, 1)$
1 : $P_{1127} = (5, 2, 0, 1)$	7 : $P_{1240} = (22, 5, 0, 1)$	13 : $P_{1437} = (27, 11, 0, 1)$
2 : $P_{1162} = (8, 3, 0, 1)$	8 : $P_{1242} = (24, 5, 0, 1)$	14 : $P_{1448} = (6, 12, 0, 1)$
3 : $P_{1177} = (23, 3, 0, 1)$	9 : $P_{1286} = (4, 7, 0, 1)$	15 : $P_{1463} = (21, 12, 0, 1)$
4 : $P_{1183} = (29, 3, 0, 1)$	10 : $P_{1298} = (16, 7, 0, 1)$	16 : $P_{1472} = (30, 12, 0, 1)$
5 : $P_{1203} = (17, 4, 0, 1)$	11 : $P_{1300} = (18, 7, 0, 1)$	17 : $P_{1500} = (26, 13, 0, 1)$

18 : $P_{1540} = (2, 15, 0, 1)$	72 : $P_{3096} = (23, 31, 1, 1)$	126 : $P_{4636} = (27, 15, 3, 1)$
19 : $P_{1582} = (12, 16, 0, 1)$	73 : $P_{3110} = (5, 0, 2, 1)$	127 : $P_{4704} = (31, 17, 3, 1)$
20 : $P_{1609} = (7, 17, 0, 1)$	74 : $P_{3157} = (20, 1, 2, 1)$	128 : $P_{4792} = (23, 20, 3, 1)$
21 : $P_{1616} = (14, 17, 0, 1)$	75 : $P_{3185} = (16, 2, 2, 1)$	129 : $P_{4805} = (4, 21, 3, 1)$
22 : $P_{1627} = (25, 17, 0, 1)$	76 : $P_{3270} = (5, 5, 2, 1)$	130 : $P_{4848} = (15, 22, 3, 1)$
23 : $P_{1650} = (16, 18, 0, 1)$	77 : $P_{3320} = (23, 6, 2, 1)$	131 : $P_{4853} = (20, 22, 3, 1)$
24 : $P_{1739} = (9, 21, 0, 1)$	78 : $P_{3334} = (5, 7, 2, 1)$	132 : $P_{4888} = (23, 23, 3, 1)$
25 : $P_{1743} = (13, 21, 0, 1)$	79 : $P_{3357} = (28, 7, 2, 1)$	133 : $P_{4900} = (3, 24, 3, 1)$
26 : $P_{1746} = (16, 21, 0, 1)$	80 : $P_{3358} = (29, 7, 2, 1)$	134 : $P_{4902} = (5, 24, 3, 1)$
27 : $P_{1796} = (2, 23, 0, 1)$	81 : $P_{3379} = (18, 8, 2, 1)$	135 : $P_{4925} = (28, 24, 3, 1)$
28 : $P_{1809} = (15, 23, 0, 1)$	82 : $P_{3436} = (11, 10, 2, 1)$	136 : $P_{4961} = (0, 26, 3, 1)$
29 : $P_{1821} = (27, 23, 0, 1)$	83 : $P_{3437} = (12, 10, 2, 1)$	137 : $P_{4973} = (12, 26, 3, 1)$
30 : $P_{1828} = (2, 24, 0, 1)$	84 : $P_{3439} = (14, 10, 2, 1)$	138 : $P_{4981} = (20, 26, 3, 1)$
31 : $P_{1830} = (4, 24, 0, 1)$	85 : $P_{3523} = (2, 13, 2, 1)$	139 : $P_{5042} = (17, 28, 3, 1)$
32 : $P_{1857} = (31, 24, 0, 1)$	86 : $P_{3540} = (19, 13, 2, 1)$	140 : $P_{5086} = (29, 29, 3, 1)$
33 : $P_{1909} = (19, 26, 0, 1)$	87 : $P_{3552} = (31, 13, 2, 1)$	141 : $P_{5118} = (29, 30, 3, 1)$
34 : $P_{1910} = (20, 26, 0, 1)$	88 : $P_{3593} = (8, 15, 2, 1)$	142 : $P_{5121} = (0, 31, 3, 1)$
35 : $P_{1918} = (28, 26, 0, 1)$	89 : $P_{3680} = (31, 17, 2, 1)$	143 : $P_{5170} = (17, 0, 4, 1)$
36 : $P_{1925} = (3, 27, 0, 1)$	90 : $P_{3704} = (23, 18, 2, 1)$	144 : $P_{5214} = (29, 1, 4, 1)$
37 : $P_{1965} = (11, 28, 0, 1)$	91 : $P_{3729} = (16, 19, 2, 1)$	145 : $P_{5253} = (4, 3, 4, 1)$
38 : $P_{1967} = (13, 28, 0, 1)$	92 : $P_{3739} = (26, 19, 2, 1)$	146 : $P_{5294} = (13, 4, 4, 1)$
39 : $P_{1981} = (27, 28, 0, 1)$	93 : $P_{3762} = (17, 20, 2, 1)$	147 : $P_{5359} = (14, 6, 4, 1)$
40 : $P_{2054} = (4, 31, 0, 1)$	94 : $P_{3779} = (2, 21, 2, 1)$	148 : $P_{5405} = (28, 7, 4, 1)$
41 : $P_{2082} = (0, 0, 1, 1)$	95 : $P_{3821} = (12, 22, 2, 1)$	149 : $P_{5412} = (3, 8, 4, 1)$
42 : $P_{2114} = (0, 1, 1, 1)$	96 : $P_{3823} = (14, 22, 2, 1)$	150 : $P_{5422} = (13, 8, 4, 1)$
43 : $P_{2188} = (11, 3, 1, 1)$	97 : $P_{3832} = (23, 22, 2, 1)$	151 : $P_{5465} = (24, 9, 4, 1)$
44 : $P_{2200} = (23, 3, 1, 1)$	98 : $P_{3856} = (15, 23, 2, 1)$	152 : $P_{5482} = (9, 10, 4, 1)$
45 : $P_{2208} = (31, 3, 1, 1)$	99 : $P_{3894} = (21, 24, 2, 1)$	153 : $P_{5555} = (18, 12, 4, 1)$
46 : $P_{2256} = (15, 5, 1, 1)$	100 : $P_{3915} = (10, 25, 2, 1)$	154 : $P_{5616} = (15, 14, 4, 1)$
47 : $P_{2259} = (18, 5, 1, 1)$	101 : $P_{3939} = (2, 26, 2, 1)$	155 : $P_{5627} = (26, 14, 4, 1)$
48 : $P_{2265} = (24, 5, 1, 1)$	102 : $P_{4077} = (12, 30, 2, 1)$	156 : $P_{5631} = (30, 14, 4, 1)$
49 : $P_{2294} = (21, 6, 1, 1)$	103 : $P_{4079} = (14, 30, 2, 1)$	157 : $P_{5714} = (17, 17, 4, 1)$
50 : $P_{2355} = (18, 8, 1, 1)$	104 : $P_{4096} = (31, 30, 2, 1)$	158 : $P_{5779} = (18, 19, 4, 1)$
51 : $P_{2376} = (7, 9, 1, 1)$	105 : $P_{4137} = (8, 0, 3, 1)$	159 : $P_{5787} = (26, 19, 4, 1)$
52 : $P_{2410} = (9, 10, 1, 1)$	106 : $P_{4152} = (23, 0, 3, 1)$	160 : $P_{5791} = (30, 19, 4, 1)$
53 : $P_{2454} = (21, 11, 1, 1)$	107 : $P_{4158} = (29, 0, 3, 1)$	161 : $P_{5817} = (24, 20, 4, 1)$
54 : $P_{2476} = (11, 12, 1, 1)$	108 : $P_{4177} = (16, 1, 3, 1)$	162 : $P_{5842} = (17, 21, 4, 1)$
55 : $P_{2483} = (18, 12, 1, 1)$	109 : $P_{4202} = (9, 2, 3, 1)$	163 : $P_{5847} = (22, 21, 4, 1)$
56 : $P_{2486} = (21, 12, 1, 1)$	110 : $P_{4229} = (4, 3, 3, 1)$	164 : $P_{5848} = (23, 21, 4, 1)$
57 : $P_{2540} = (11, 14, 1, 1)$	111 : $P_{4321} = (0, 6, 3, 1)$	165 : $P_{5952} = (31, 24, 4, 1)$
58 : $P_{2589} = (28, 15, 1, 1)$	112 : $P_{4330} = (9, 6, 3, 1)$	166 : $P_{5977} = (24, 25, 4, 1)$
59 : $P_{2632} = (7, 17, 1, 1)$	113 : $P_{4334} = (13, 6, 3, 1)$	167 : $P_{5979} = (26, 25, 4, 1)$
60 : $P_{2634} = (9, 17, 1, 1)$	114 : $P_{4362} = (9, 7, 3, 1)$	168 : $P_{5983} = (30, 25, 4, 1)$
61 : $P_{2656} = (31, 17, 1, 1)$	115 : $P_{4375} = (22, 7, 3, 1)$	169 : $P_{6021} = (4, 27, 4, 1)$
62 : $P_{2681} = (24, 18, 1, 1)$	116 : $P_{4379} = (26, 7, 3, 1)$	170 : $P_{6025} = (8, 27, 4, 1)$
63 : $P_{2720} = (31, 19, 1, 1)$	117 : $P_{4393} = (8, 8, 3, 1)$	171 : $P_{6035} = (18, 27, 4, 1)$
64 : $P_{2749} = (28, 20, 1, 1)$	118 : $P_{4401} = (16, 8, 3, 1)$	172 : $P_{6053} = (4, 28, 4, 1)$
65 : $P_{2809} = (24, 22, 1, 1)$	119 : $P_{4403} = (18, 8, 3, 1)$	173 : $P_{6093} = (12, 29, 4, 1)$
66 : $P_{2888} = (7, 25, 1, 1)$	120 : $P_{4465} = (16, 10, 3, 1)$	174 : $P_{6155} = (10, 31, 4, 1)$
67 : $P_{2922} = (9, 26, 1, 1)$	121 : $P_{4489} = (8, 11, 3, 1)$	175 : $P_{6187} = (10, 0, 5, 1)$
68 : $P_{2928} = (15, 26, 1, 1)$	122 : $P_{4551} = (6, 13, 3, 1)$	176 : $P_{6199} = (22, 0, 5, 1)$
69 : $P_{2941} = (28, 26, 1, 1)$	123 : $P_{4598} = (21, 14, 3, 1)$	177 : $P_{6201} = (24, 0, 5, 1)$
70 : $P_{3032} = (23, 29, 1, 1)$	124 : $P_{4611} = (2, 15, 3, 1)$	178 : $P_{6222} = (13, 1, 5, 1)$
71 : $P_{3056} = (15, 30, 1, 1)$	125 : $P_{4629} = (20, 15, 3, 1)$	179 : $P_{6273} = (0, 3, 5, 1)$

180 : $P_{6299} = (26, 3, 5, 1)$	234 : $P_{8202} = (9, 31, 6, 1)$	288 : $P_{9709} = (12, 14, 8, 1)$
181 : $P_{6302} = (29, 3, 5, 1)$	235 : $P_{8204} = (11, 31, 6, 1)$	289 : $P_{9940} = (19, 21, 8, 1)$
182 : $P_{6316} = (11, 4, 5, 1)$	236 : $P_{8219} = (26, 31, 6, 1)$	290 : $P_{9971} = (18, 22, 8, 1)$
183 : $P_{6353} = (16, 5, 5, 1)$	237 : $P_{8229} = (4, 0, 7, 1)$	291 : $P_{9994} = (9, 23, 8, 1)$
184 : $P_{6406} = (5, 7, 5, 1)$	238 : $P_{8241} = (16, 0, 7, 1)$	292 : $P_{10027} = (10, 24, 8, 1)$
185 : $P_{6418} = (17, 7, 5, 1)$	239 : $P_{8243} = (18, 0, 7, 1)$	293 : $P_{10084} = (3, 26, 8, 1)$
186 : $P_{6424} = (23, 7, 5, 1)$	240 : $P_{8302} = (13, 2, 7, 1)$	294 : $P_{10087} = (6, 26, 8, 1)$
187 : $P_{6506} = (9, 10, 5, 1)$	241 : $P_{8325} = (4, 3, 7, 1)$	295 : $P_{10103} = (22, 26, 8, 1)$
188 : $P_{6507} = (10, 10, 5, 1)$	242 : $P_{8351} = (30, 3, 7, 1)$	296 : $P_{10265} = (24, 31, 8, 1)$
189 : $P_{6510} = (13, 10, 5, 1)$	243 : $P_{8352} = (31, 3, 7, 1)$	297 : $P_{10286} = (13, 0, 9, 1)$
190 : $P_{6579} = (18, 12, 5, 1)$	244 : $P_{8357} = (4, 4, 7, 1)$	298 : $P_{10320} = (15, 1, 9, 1)$
191 : $P_{6638} = (13, 14, 5, 1)$	245 : $P_{8393} = (8, 5, 7, 1)$	299 : $P_{10367} = (30, 2, 9, 1)$
192 : $P_{6667} = (10, 15, 5, 1)$	246 : $P_{8428} = (11, 6, 7, 1)$	300 : $P_{10383} = (14, 3, 9, 1)$
193 : $P_{6753} = (0, 18, 5, 1)$	247 : $P_{8454} = (5, 7, 7, 1)$	301 : $P_{10414} = (13, 4, 9, 1)$
194 : $P_{6807} = (22, 19, 5, 1)$	248 : $P_{8476} = (27, 7, 7, 1)$	302 : $P_{10464} = (31, 5, 9, 1)$
195 : $P_{6817} = (0, 20, 5, 1)$	249 : $P_{8480} = (31, 7, 7, 1)$	303 : $P_{10476} = (11, 6, 9, 1)$
196 : $P_{6828} = (11, 20, 5, 1)$	250 : $P_{8486} = (5, 8, 7, 1)$	304 : $P_{10580} = (19, 9, 9, 1)$
197 : $P_{6844} = (27, 20, 5, 1)$	251 : $P_{8502} = (21, 8, 7, 1)$	305 : $P_{10651} = (26, 11, 9, 1)$
198 : $P_{6852} = (3, 21, 5, 1)$	252 : $P_{8511} = (30, 8, 7, 1)$	306 : $P_{10702} = (13, 13, 9, 1)$
199 : $P_{6860} = (11, 21, 5, 1)$	253 : $P_{8609} = (0, 12, 7, 1)$	307 : $P_{10707} = (18, 13, 9, 1)$
200 : $P_{6874} = (25, 21, 5, 1)$	254 : $P_{8629} = (20, 12, 7, 1)$	308 : $P_{10715} = (26, 13, 9, 1)$
201 : $P_{6903} = (22, 22, 5, 1)$	255 : $P_{8639} = (30, 12, 7, 1)$	309 : $P_{10748} = (27, 14, 9, 1)$
202 : $P_{6925} = (12, 23, 5, 1)$	256 : $P_{8729} = (24, 15, 7, 1)$	310 : $P_{10758} = (5, 15, 9, 1)$
203 : $P_{6969} = (24, 24, 5, 1)$	257 : $P_{8748} = (11, 16, 7, 1)$	311 : $P_{10777} = (24, 15, 9, 1)$
204 : $P_{7006} = (29, 25, 5, 1)$	258 : $P_{8750} = (13, 16, 7, 1)$	312 : $P_{10779} = (26, 15, 9, 1)$
205 : $P_{7008} = (31, 25, 5, 1)$	259 : $P_{8753} = (16, 16, 7, 1)$	313 : $P_{10897} = (16, 19, 9, 1)$
206 : $P_{7061} = (20, 27, 5, 1)$	260 : $P_{8780} = (11, 17, 7, 1)$	314 : $P_{10899} = (18, 19, 9, 1)$
207 : $P_{7089} = (16, 28, 5, 1)$	261 : $P_{8819} = (18, 18, 7, 1)$	315 : $P_{10906} = (25, 19, 9, 1)$
208 : $P_{7129} = (24, 29, 5, 1)$	262 : $P_{8828} = (27, 18, 7, 1)$	316 : $P_{10991} = (14, 22, 9, 1)$
209 : $P_{7165} = (28, 30, 5, 1)$	263 : $P_{8830} = (29, 18, 7, 1)$	317 : $P_{11027} = (18, 23, 9, 1)$
210 : $P_{7171} = (2, 31, 5, 1)$	264 : $P_{8886} = (21, 20, 7, 1)$	318 : $P_{11041} = (0, 24, 9, 1)$
211 : $P_{7173} = (4, 31, 5, 1)$	265 : $P_{8909} = (12, 21, 7, 1)$	319 : $P_{11178} = (9, 28, 9, 1)$
212 : $P_{7198} = (29, 31, 5, 1)$	266 : $P_{8910} = (13, 21, 7, 1)$	320 : $P_{11183} = (14, 28, 9, 1)$
213 : $P_{7328} = (31, 3, 6, 1)$	267 : $P_{8915} = (18, 21, 7, 1)$	321 : $P_{11188} = (19, 28, 9, 1)$
214 : $P_{7341} = (12, 4, 6, 1)$	268 : $P_{8936} = (7, 22, 7, 1)$	322 : $P_{11211} = (10, 29, 9, 1)$
215 : $P_{7361} = (0, 5, 6, 1)$	269 : $P_{8977} = (16, 23, 7, 1)$	323 : $P_{11222} = (21, 29, 9, 1)$
216 : $P_{7421} = (28, 6, 6, 1)$	270 : $P_{9003} = (10, 24, 7, 1)$	324 : $P_{11237} = (4, 30, 9, 1)$
217 : $P_{7453} = (28, 7, 6, 1)$	271 : $P_{9047} = (22, 25, 7, 1)$	325 : $P_{11239} = (6, 30, 9, 1)$
218 : $P_{7527} = (6, 10, 6, 1)$	272 : $P_{9110} = (21, 27, 7, 1)$	326 : $P_{11253} = (20, 30, 9, 1)$
219 : $P_{7538} = (17, 10, 6, 1)$	273 : $P_{9127} = (6, 28, 7, 1)$	327 : $P_{11357} = (28, 1, 10, 1)$
220 : $P_{7547} = (26, 10, 6, 1)$	274 : $P_{9187} = (2, 30, 7, 1)$	328 : $P_{11398} = (5, 3, 10, 1)$
221 : $P_{7590} = (5, 12, 6, 1)$	275 : $P_{9302} = (21, 1, 8, 1)$	329 : $P_{11413} = (20, 3, 10, 1)$
222 : $P_{7668} = (19, 14, 6, 1)$	276 : $P_{9388} = (11, 4, 8, 1)$	330 : $P_{11418} = (25, 3, 10, 1)$
223 : $P_{7727} = (14, 16, 6, 1)$	277 : $P_{9402} = (25, 4, 8, 1)$	331 : $P_{11535} = (14, 7, 10, 1)$
224 : $P_{7749} = (4, 17, 6, 1)$	278 : $P_{9408} = (31, 4, 8, 1)$	332 : $P_{11623} = (6, 10, 10, 1)$
225 : $P_{7755} = (10, 17, 6, 1)$	279 : $P_{9420} = (11, 5, 8, 1)$	333 : $P_{11664} = (15, 11, 10, 1)$
226 : $P_{7769} = (24, 17, 6, 1)$	280 : $P_{9448} = (7, 6, 8, 1)$	334 : $P_{11672} = (23, 11, 10, 1)$
227 : $P_{7835} = (26, 19, 6, 1)$	281 : $P_{9456} = (15, 6, 8, 1)$	335 : $P_{11673} = (24, 11, 10, 1)$
228 : $P_{7880} = (7, 21, 6, 1)$	282 : $P_{9530} = (25, 8, 8, 1)$	336 : $P_{11787} = (10, 15, 10, 1)$
229 : $P_{7940} = (3, 23, 6, 1)$	283 : $P_{9548} = (11, 9, 8, 1)$	337 : $P_{11815} = (6, 16, 10, 1)$
230 : $P_{7998} = (29, 24, 6, 1)$	284 : $P_{9560} = (23, 9, 8, 1)$	338 : $P_{11824} = (15, 16, 10, 1)$
231 : $P_{8041} = (8, 26, 6, 1)$	285 : $P_{9565} = (28, 9, 8, 1)$	339 : $P_{11827} = (18, 16, 10, 1)$
232 : $P_{8080} = (15, 27, 6, 1)$	286 : $P_{9609} = (8, 11, 8, 1)$	340 : $P_{11856} = (15, 17, 10, 1)$
233 : $P_{8110} = (13, 28, 6, 1)$	287 : $P_{9647} = (14, 12, 8, 1)$	341 : $P_{11880} = (7, 18, 10, 1)$

342 : $P_{11958} = (21, 20, 10, 1)$	396 : $P_{13894} = (5, 17, 12, 1)$	450 : $P_{15508} = (19, 3, 14, 1)$
343 : $P_{11968} = (31, 20, 10, 1)$	397 : $P_{13914} = (25, 17, 12, 1)$	451 : $P_{15559} = (6, 5, 14, 1)$
344 : $P_{12076} = (11, 24, 10, 1)$	398 : $P_{13951} = (30, 18, 12, 1)$	452 : $P_{15570} = (17, 5, 14, 1)$
345 : $P_{12106} = (9, 25, 10, 1)$	399 : $P_{13955} = (2, 19, 12, 1)$	453 : $P_{15582} = (29, 5, 14, 1)$
346 : $P_{12159} = (30, 26, 10, 1)$	400 : $P_{13994} = (9, 20, 12, 1)$	454 : $P_{15596} = (11, 6, 14, 1)$
347 : $P_{12201} = (8, 28, 10, 1)$	401 : $P_{14010} = (25, 20, 12, 1)$	455 : $P_{15632} = (15, 7, 14, 1)$
348 : $P_{12283} = (26, 30, 10, 1)$	402 : $P_{14038} = (21, 21, 12, 1)$	456 : $P_{15702} = (21, 9, 14, 1)$
349 : $P_{12348} = (27, 0, 11, 1)$	403 : $P_{14049} = (0, 22, 12, 1)$	457 : $P_{15808} = (31, 12, 14, 1)$
350 : $P_{12384} = (31, 1, 11, 1)$	404 : $P_{14053} = (4, 22, 12, 1)$	458 : $P_{15818} = (9, 13, 14, 1)$
351 : $P_{12468} = (19, 4, 11, 1)$	405 : $P_{14080} = (31, 22, 12, 1)$	459 : $P_{15829} = (20, 13, 14, 1)$
352 : $P_{12511} = (30, 5, 11, 1)$	406 : $P_{14098} = (17, 23, 12, 1)$	460 : $P_{15840} = (31, 13, 14, 1)$
353 : $P_{12545} = (0, 7, 11, 1)$	407 : $P_{14101} = (20, 23, 12, 1)$	461 : $P_{15861} = (20, 14, 14, 1)$
354 : $P_{12583} = (6, 8, 11, 1)$	408 : $P_{14112} = (31, 23, 12, 1)$	462 : $P_{15880} = (7, 15, 14, 1)$
355 : $P_{12586} = (9, 8, 11, 1)$	409 : $P_{14140} = (27, 24, 12, 1)$	463 : $P_{15897} = (24, 15, 14, 1)$
356 : $P_{12590} = (13, 8, 11, 1)$	410 : $P_{14166} = (21, 25, 12, 1)$	464 : $P_{15904} = (31, 15, 14, 1)$
357 : $P_{12681} = (8, 11, 11, 1)$	411 : $P_{14248} = (7, 28, 12, 1)$	465 : $P_{16004} = (3, 19, 14, 1)$
358 : $P_{12804} = (3, 15, 11, 1)$	412 : $P_{14253} = (12, 28, 12, 1)$	466 : $P_{16095} = (30, 21, 14, 1)$
359 : $P_{12860} = (27, 16, 11, 1)$	413 : $P_{14267} = (26, 28, 12, 1)$	467 : $P_{16139} = (10, 23, 14, 1)$
360 : $P_{12883} = (18, 17, 11, 1)$	414 : $P_{14307} = (2, 30, 12, 1)$	468 : $P_{16339} = (18, 29, 14, 1)$
361 : $P_{12945} = (16, 19, 11, 1)$	415 : $P_{14320} = (15, 30, 12, 1)$	469 : $P_{16349} = (28, 29, 14, 1)$
362 : $P_{12949} = (20, 19, 11, 1)$	416 : $P_{14335} = (30, 30, 12, 1)$	470 : $P_{16399} = (14, 31, 14, 1)$
363 : $P_{12958} = (29, 19, 11, 1)$	417 : $P_{14395} = (26, 0, 13, 1)$	471 : $P_{16419} = (2, 0, 15, 1)$
364 : $P_{12976} = (15, 20, 11, 1)$	418 : $P_{14426} = (25, 1, 13, 1)$	472 : $P_{16467} = (18, 1, 15, 1)$
365 : $P_{13039} = (14, 22, 11, 1)$	419 : $P_{14476} = (11, 3, 13, 1)$	473 : $P_{16483} = (2, 2, 15, 1)$
366 : $P_{13053} = (28, 22, 11, 1)$	420 : $P_{14508} = (11, 4, 13, 1)$	474 : $P_{16486} = (5, 2, 15, 1)$
367 : $P_{13065} = (8, 23, 11, 1)$	421 : $P_{14510} = (13, 4, 13, 1)$	475 : $P_{16492} = (11, 2, 15, 1)$
368 : $P_{13068} = (11, 23, 11, 1)$	422 : $P_{14511} = (14, 4, 13, 1)$	476 : $P_{16628} = (19, 6, 15, 1)$
369 : $P_{13087} = (30, 23, 11, 1)$	423 : $P_{14687} = (30, 9, 13, 1)$	477 : $P_{16652} = (11, 7, 15, 1)$
370 : $P_{13098} = (9, 24, 11, 1)$	424 : $P_{14694} = (5, 10, 13, 1)$	478 : $P_{16686} = (13, 8, 15, 1)$
371 : $P_{13151} = (30, 25, 11, 1)$	425 : $P_{14697} = (8, 10, 13, 1)$	479 : $P_{16695} = (22, 8, 15, 1)$
372 : $P_{13188} = (3, 27, 11, 1)$	426 : $P_{14700} = (11, 10, 13, 1)$	480 : $P_{16702} = (29, 8, 15, 1)$
373 : $P_{13194} = (9, 27, 11, 1)$	427 : $P_{14787} = (2, 13, 13, 1)$	481 : $P_{16748} = (11, 10, 15, 1)$
374 : $P_{13212} = (27, 27, 11, 1)$	428 : $P_{14819} = (2, 14, 13, 1)$	482 : $P_{16757} = (20, 10, 15, 1)$
375 : $P_{13283} = (2, 30, 11, 1)$	429 : $P_{14834} = (17, 14, 13, 1)$	483 : $P_{16764} = (27, 10, 15, 1)$
376 : $P_{13316} = (3, 31, 11, 1)$	430 : $P_{14870} = (21, 15, 13, 1)$	484 : $P_{16810} = (9, 12, 15, 1)$
377 : $P_{13320} = (7, 31, 11, 1)$	431 : $P_{14926} = (13, 17, 13, 1)$	485 : $P_{16835} = (2, 13, 15, 1)$
378 : $P_{13330} = (17, 31, 11, 1)$	432 : $P_{14982} = (5, 19, 13, 1)$	486 : $P_{16907} = (10, 15, 15, 1)$
379 : $P_{13351} = (6, 0, 12, 1)$	433 : $P_{14985} = (8, 19, 13, 1)$	487 : $P_{16937} = (8, 16, 15, 1)$
380 : $P_{13366} = (21, 0, 12, 1)$	434 : $P_{14995} = (18, 19, 13, 1)$	488 : $P_{16980} = (19, 17, 15, 1)$
381 : $P_{13375} = (30, 0, 12, 1)$	435 : $P_{15014} = (5, 20, 13, 1)$	489 : $P_{16998} = (5, 18, 15, 1)$
382 : $P_{13379} = (2, 1, 12, 1)$	436 : $P_{15017} = (8, 20, 13, 1)$	490 : $P_{17005} = (12, 18, 15, 1)$
383 : $P_{13452} = (11, 3, 12, 1)$	437 : $P_{15030} = (21, 20, 13, 1)$	491 : $P_{17014} = (21, 18, 15, 1)$
384 : $P_{13495} = (22, 4, 12, 1)$	438 : $P_{15050} = (9, 21, 13, 1)$	492 : $P_{17029} = (4, 19, 15, 1)$
385 : $P_{13543} = (6, 6, 12, 1)$	439 : $P_{15094} = (21, 22, 13, 1)$	493 : $P_{17089} = (0, 21, 15, 1)$
386 : $P_{13572} = (3, 7, 12, 1)$	440 : $P_{15111} = (6, 23, 13, 1)$	494 : $P_{17195} = (10, 24, 15, 1)$
387 : $P_{13625} = (24, 8, 12, 1)$	441 : $P_{15112} = (7, 23, 13, 1)$	495 : $P_{17200} = (15, 24, 15, 1)$
388 : $P_{13646} = (13, 9, 12, 1)$	442 : $P_{15131} = (26, 23, 13, 1)$	496 : $P_{17204} = (19, 24, 15, 1)$
389 : $P_{13649} = (16, 9, 12, 1)$	443 : $P_{15150} = (13, 24, 13, 1)$	497 : $P_{17240} = (23, 25, 15, 1)$
390 : $P_{13658} = (25, 9, 12, 1)$	444 : $P_{15172} = (3, 25, 13, 1)$	498 : $P_{17247} = (30, 25, 15, 1)$
391 : $P_{13671} = (6, 10, 12, 1)$	445 : $P_{15227} = (26, 26, 13, 1)$	499 : $P_{17376} = (31, 29, 15, 1)$
392 : $P_{13697} = (0, 11, 12, 1)$	446 : $P_{15289} = (24, 28, 13, 1)$	500 : $P_{17414} = (5, 31, 15, 1)$
393 : $P_{13756} = (27, 12, 12, 1)$	447 : $P_{15316} = (19, 29, 13, 1)$	501 : $P_{17453} = (12, 0, 16, 1)$
394 : $P_{13792} = (31, 13, 12, 1)$	448 : $P_{15344} = (15, 30, 13, 1)$	502 : $P_{17495} = (22, 1, 16, 1)$
395 : $P_{13889} = (0, 17, 12, 1)$	449 : $P_{15448} = (23, 1, 14, 1)$	503 : $P_{17514} = (9, 2, 16, 1)$

504 : $P_{17515} = (10, 2, 16, 1)$	558 : $P_{19176} = (7, 22, 17, 1)$	612 : $P_{21016} = (23, 15, 19, 1)$
505 : $P_{17521} = (16, 2, 16, 1)$	559 : $P_{19214} = (13, 23, 17, 1)$	613 : $P_{21067} = (10, 17, 19, 1)$
506 : $P_{17617} = (16, 5, 16, 1)$	560 : $P_{19259} = (26, 24, 17, 1)$	614 : $P_{21098} = (9, 18, 19, 1)$
507 : $P_{17636} = (3, 6, 16, 1)$	561 : $P_{19290} = (25, 25, 17, 1)$	615 : $P_{21110} = (21, 18, 19, 1)$
508 : $P_{17640} = (7, 6, 16, 1)$	562 : $P_{19306} = (9, 26, 17, 1)$	616 : $P_{21117} = (28, 18, 19, 1)$
509 : $P_{17652} = (19, 6, 16, 1)$	563 : $P_{19366} = (5, 28, 17, 1)$	617 : $P_{21143} = (22, 19, 19, 1)$
510 : $P_{17683} = (18, 7, 16, 1)$	564 : $P_{19367} = (6, 28, 17, 1)$	618 : $P_{21257} = (8, 23, 19, 1)$
511 : $P_{17700} = (3, 8, 16, 1)$	565 : $P_{19376} = (15, 28, 17, 1)$	619 : $P_{21324} = (11, 25, 19, 1)$
512 : $P_{17706} = (9, 8, 16, 1)$	566 : $P_{19393} = (0, 29, 17, 1)$	620 : $P_{21337} = (24, 25, 19, 1)$
513 : $P_{17716} = (19, 8, 16, 1)$	567 : $P_{19395} = (2, 29, 17, 1)$	621 : $P_{21427} = (18, 28, 19, 1)$
514 : $P_{17766} = (5, 10, 16, 1)$	568 : $P_{19408} = (15, 29, 17, 1)$	622 : $P_{21472} = (31, 29, 19, 1)$
515 : $P_{17788} = (27, 10, 16, 1)$	569 : $P_{19452} = (27, 30, 17, 1)$	623 : $P_{21632} = (31, 2, 20, 1)$
516 : $P_{17800} = (7, 11, 16, 1)$	570 : $P_{19471} = (14, 31, 17, 1)$	624 : $P_{21643} = (10, 3, 20, 1)$
517 : $P_{17837} = (12, 12, 16, 1)$	571 : $P_{19505} = (16, 0, 18, 1)$	625 : $P_{21715} = (18, 5, 20, 1)$
518 : $P_{17900} = (11, 14, 16, 1)$	572 : $P_{19532} = (11, 1, 18, 1)$	626 : $P_{21783} = (22, 7, 20, 1)$
519 : $P_{17980} = (27, 16, 16, 1)$	573 : $P_{19569} = (16, 2, 18, 1)$	627 : $P_{21796} = (3, 8, 20, 1)$
520 : $P_{18031} = (14, 18, 16, 1)$	574 : $P_{19600} = (15, 3, 18, 1)$	628 : $P_{21928} = (7, 12, 20, 1)$
521 : $P_{18111} = (30, 20, 16, 1)$	575 : $P_{19789} = (12, 9, 18, 1)$	629 : $P_{21935} = (14, 12, 20, 1)$
522 : $P_{18136} = (23, 21, 16, 1)$	576 : $P_{19822} = (13, 10, 18, 1)$	630 : $P_{21937} = (16, 12, 20, 1)$
523 : $P_{18171} = (26, 22, 16, 1)$	577 : $P_{19844} = (3, 11, 18, 1)$	631 : $P_{21983} = (30, 13, 20, 1)$
524 : $P_{18193} = (16, 23, 16, 1)$	578 : $P_{19853} = (12, 11, 18, 1)$	632 : $P_{21988} = (3, 14, 20, 1)$
525 : $P_{18282} = (9, 26, 16, 1)$	579 : $P_{19864} = (23, 11, 18, 1)$	633 : $P_{21997} = (12, 14, 20, 1)$
526 : $P_{18349} = (12, 28, 16, 1)$	580 : $P_{19939} = (2, 14, 18, 1)$	634 : $P_{22005} = (20, 14, 20, 1)$
527 : $P_{18361} = (24, 28, 16, 1)$	581 : $P_{19943} = (6, 14, 18, 1)$	635 : $P_{22075} = (26, 16, 20, 1)$
528 : $P_{18362} = (25, 28, 16, 1)$	582 : $P_{19962} = (25, 14, 18, 1)$	636 : $P_{22081} = (0, 17, 20, 1)$
529 : $P_{18376} = (7, 29, 16, 1)$	583 : $P_{20013} = (12, 16, 18, 1)$	637 : $P_{22116} = (3, 18, 20, 1)$
530 : $P_{18404} = (3, 30, 16, 1)$	584 : $P_{20017} = (16, 16, 18, 1)$	638 : $P_{22124} = (11, 18, 20, 1)$
531 : $P_{18420} = (19, 30, 16, 1)$	585 : $P_{20032} = (31, 16, 18, 1)$	639 : $P_{22128} = (15, 18, 20, 1)$
532 : $P_{18432} = (31, 30, 16, 1)$	586 : $P_{20095} = (30, 18, 18, 1)$	640 : $P_{22200} = (23, 20, 20, 1)$
533 : $P_{18472} = (7, 0, 17, 1)$	587 : $P_{20136} = (7, 20, 18, 1)$	641 : $P_{22232} = (23, 21, 20, 1)$
534 : $P_{18479} = (14, 0, 17, 1)$	588 : $P_{20137} = (8, 20, 18, 1)$	642 : $P_{22300} = (27, 23, 20, 1)$
535 : $P_{18490} = (25, 0, 17, 1)$	589 : $P_{20171} = (10, 21, 18, 1)$	643 : $P_{22310} = (5, 24, 20, 1)$
536 : $P_{18524} = (27, 1, 17, 1)$	590 : $P_{20179} = (18, 21, 18, 1)$	644 : $P_{22386} = (17, 26, 20, 1)$
537 : $P_{18558} = (29, 2, 17, 1)$	591 : $P_{20191} = (30, 21, 18, 1)$	645 : $P_{22454} = (21, 28, 20, 1)$
538 : $P_{18625} = (0, 5, 17, 1)$	592 : $P_{20225} = (0, 23, 18, 1)$	646 : $P_{22505} = (8, 30, 20, 1)$
539 : $P_{18628} = (3, 5, 17, 1)$	593 : $P_{20298} = (9, 25, 18, 1)$	647 : $P_{22570} = (9, 0, 21, 1)$
540 : $P_{18647} = (22, 5, 17, 1)$	594 : $P_{20331} = (10, 26, 18, 1)$	648 : $P_{22574} = (13, 0, 21, 1)$
541 : $P_{18675} = (18, 6, 17, 1)$	595 : $P_{20367} = (14, 27, 18, 1)$	649 : $P_{22577} = (16, 0, 21, 1)$
542 : $P_{18679} = (22, 6, 17, 1)$	596 : $P_{20416} = (31, 28, 18, 1)$	650 : $P_{22653} = (28, 2, 21, 1)$
543 : $P_{18696} = (7, 7, 17, 1)$	597 : $P_{20427} = (10, 29, 18, 1)$	651 : $P_{22716} = (27, 4, 21, 1)$
544 : $P_{18746} = (25, 8, 17, 1)$	598 : $P_{20453} = (4, 30, 18, 1)$	652 : $P_{22737} = (16, 5, 21, 1)$
545 : $P_{18753} = (0, 9, 17, 1)$	599 : $P_{20471} = (22, 30, 18, 1)$	653 : $P_{22739} = (18, 5, 21, 1)$
546 : $P_{18924} = (11, 14, 17, 1)$	600 : $P_{20480} = (31, 30, 18, 1)$	654 : $P_{22740} = (19, 5, 21, 1)$
547 : $P_{18927} = (14, 14, 17, 1)$	601 : $P_{20552} = (7, 1, 19, 1)$	655 : $P_{22778} = (25, 6, 21, 1)$
548 : $P_{18940} = (27, 14, 17, 1)$	602 : $P_{20586} = (9, 2, 19, 1)$	656 : $P_{22799} = (14, 7, 21, 1)$
549 : $P_{18992} = (15, 16, 17, 1)$	603 : $P_{20592} = (15, 2, 19, 1)$	657 : $P_{22851} = (2, 9, 21, 1)$
550 : $P_{19022} = (13, 17, 17, 1)$	604 : $P_{20599} = (22, 2, 19, 1)$	658 : $P_{22858} = (9, 9, 21, 1)$
551 : $P_{19045} = (4, 18, 17, 1)$	605 : $P_{20618} = (9, 3, 19, 1)$	659 : $P_{22871} = (22, 9, 21, 1)$
552 : $P_{19057} = (16, 18, 17, 1)$	606 : $P_{20767} = (30, 7, 19, 1)$	660 : $P_{22898} = (17, 10, 21, 1)$
553 : $P_{19063} = (22, 18, 17, 1)$	607 : $P_{20820} = (19, 9, 19, 1)$	661 : $P_{22900} = (19, 10, 21, 1)$
554 : $P_{19096} = (23, 19, 17, 1)$	608 : $P_{20850} = (17, 10, 19, 1)$	662 : $P_{22909} = (28, 10, 21, 1)$
555 : $P_{19149} = (12, 21, 17, 1)$	609 : $P_{20922} = (25, 12, 19, 1)$	663 : $P_{22960} = (15, 12, 21, 1)$
556 : $P_{19154} = (17, 21, 17, 1)$	610 : $P_{20923} = (26, 12, 19, 1)$	664 : $P_{22990} = (13, 13, 21, 1)$
557 : $P_{19161} = (24, 21, 17, 1)$	611 : $P_{20926} = (29, 12, 19, 1)$	665 : $P_{22992} = (15, 13, 21, 1)$

666 : $P_{23004} = (27, 13, 21, 1)$	720 : $P_{24925} = (28, 9, 23, 1)$	774 : $P_{26416} = (15, 24, 24, 1)$
667 : $P_{23089} = (16, 16, 21, 1)$	721 : $P_{24942} = (13, 10, 23, 1)$	775 : $P_{26442} = (9, 25, 24, 1)$
668 : $P_{23115} = (10, 17, 21, 1)$	722 : $P_{25003} = (10, 12, 23, 1)$	776 : $P_{26467} = (2, 26, 24, 1)$
669 : $P_{23173} = (4, 19, 21, 1)$	723 : $P_{25004} = (11, 12, 23, 1)$	777 : $P_{26479} = (14, 26, 24, 1)$
670 : $P_{23216} = (15, 20, 21, 1)$	724 : $P_{25020} = (27, 12, 23, 1)$	778 : $P_{26480} = (15, 26, 24, 1)$
671 : $P_{23235} = (2, 21, 21, 1)$	725 : $P_{25029} = (4, 13, 23, 1)$	779 : $P_{26513} = (16, 27, 24, 1)$
672 : $P_{23250} = (17, 21, 21, 1)$	726 : $P_{25095} = (6, 15, 23, 1)$	780 : $P_{26533} = (4, 28, 24, 1)$
673 : $P_{23251} = (18, 21, 21, 1)$	727 : $P_{25104} = (15, 15, 23, 1)$	781 : $P_{26585} = (24, 29, 24, 1)$
674 : $P_{23317} = (20, 23, 21, 1)$	728 : $P_{25105} = (16, 15, 23, 1)$	782 : $P_{26638} = (13, 31, 24, 1)$
675 : $P_{23342} = (13, 24, 21, 1)$	729 : $P_{25145} = (24, 16, 23, 1)$	783 : $P_{26645} = (20, 31, 24, 1)$
676 : $P_{23382} = (21, 25, 21, 1)$	730 : $P_{25272} = (23, 20, 23, 1)$	784 : $P_{26656} = (31, 31, 24, 1)$
677 : $P_{23393} = (0, 26, 21, 1)$	731 : $P_{25283} = (2, 21, 23, 1)$	785 : $P_{26738} = (17, 2, 25, 1)$
678 : $P_{23412} = (19, 26, 21, 1)$	732 : $P_{25331} = (18, 22, 23, 1)$	786 : $P_{26753} = (0, 3, 25, 1)$
679 : $P_{23422} = (29, 26, 21, 1)$	733 : $P_{25356} = (11, 23, 23, 1)$	787 : $P_{26795} = (10, 4, 25, 1)$
680 : $P_{23466} = (9, 28, 21, 1)$	734 : $P_{25361} = (16, 23, 23, 1)$	788 : $P_{26819} = (2, 5, 25, 1)$
681 : $P_{23483} = (26, 28, 21, 1)$	735 : $P_{25371} = (26, 23, 23, 1)$	789 : $P_{26825} = (8, 5, 25, 1)$
682 : $P_{23484} = (27, 28, 21, 1)$	736 : $P_{25381} = (4, 24, 23, 1)$	790 : $P_{26840} = (23, 5, 25, 1)$
683 : $P_{23517} = (28, 29, 21, 1)$	737 : $P_{25382} = (5, 24, 23, 1)$	791 : $P_{26905} = (24, 7, 25, 1)$
684 : $P_{23560} = (7, 31, 21, 1)$	738 : $P_{25392} = (15, 24, 23, 1)$	792 : $P_{26918} = (5, 8, 25, 1)$
685 : $P_{23657} = (8, 2, 22, 1)$	739 : $P_{25433} = (24, 25, 23, 1)$	793 : $P_{26925} = (12, 8, 25, 1)$
686 : $P_{23700} = (19, 3, 22, 1)$	740 : $P_{25471} = (30, 26, 23, 1)$	794 : $P_{26938} = (25, 8, 25, 1)$
687 : $P_{23708} = (27, 3, 22, 1)$	741 : $P_{25500} = (27, 27, 23, 1)$	795 : $P_{27007} = (30, 10, 25, 1)$
688 : $P_{23709} = (28, 3, 22, 1)$	742 : $P_{25524} = (19, 28, 23, 1)$	796 : $P_{27060} = (19, 12, 25, 1)$
689 : $P_{23771} = (26, 5, 22, 1)$	743 : $P_{25557} = (20, 29, 23, 1)$	797 : $P_{27084} = (11, 13, 25, 1)$
690 : $P_{23813} = (4, 7, 22, 1)$	744 : $P_{25579} = (10, 30, 23, 1)$	798 : $P_{27146} = (9, 15, 25, 1)$
691 : $P_{23855} = (14, 8, 22, 1)$	745 : $P_{25593} = (24, 30, 23, 1)$	799 : $P_{27149} = (12, 15, 25, 1)$
692 : $P_{23954} = (17, 11, 22, 1)$	746 : $P_{25595} = (26, 30, 23, 1)$	800 : $P_{27155} = (18, 15, 25, 1)$
693 : $P_{23955} = (18, 11, 22, 1)$	747 : $P_{25635} = (2, 0, 24, 1)$	801 : $P_{27204} = (3, 17, 25, 1)$
694 : $P_{23968} = (31, 11, 22, 1)$	748 : $P_{25637} = (4, 0, 24, 1)$	802 : $P_{27345} = (16, 21, 25, 1)$
695 : $P_{23980} = (11, 12, 22, 1)$	749 : $P_{25664} = (31, 0, 24, 1)$	803 : $P_{27413} = (20, 23, 25, 1)$
696 : $P_{24050} = (17, 14, 22, 1)$	750 : $P_{25699} = (2, 2, 24, 1)$	804 : $P_{27446} = (21, 24, 25, 1)$
697 : $P_{24106} = (9, 16, 22, 1)$	751 : $P_{25748} = (19, 3, 24, 1)$	805 : $P_{27478} = (21, 25, 25, 1)$
698 : $P_{24159} = (30, 17, 22, 1)$	752 : $P_{25765} = (4, 4, 24, 1)$	806 : $P_{27504} = (15, 26, 25, 1)$
699 : $P_{24196} = (3, 19, 22, 1)$	753 : $P_{25770} = (9, 4, 24, 1)$	807 : $P_{27579} = (26, 28, 25, 1)$
700 : $P_{24210} = (17, 19, 22, 1)$	754 : $P_{25777} = (16, 4, 24, 1)$	808 : $P_{27629} = (12, 30, 25, 1)$
701 : $P_{24215} = (22, 19, 22, 1)$	755 : $P_{25802} = (9, 5, 24, 1)$	809 : $P_{27700} = (19, 0, 26, 1)$
702 : $P_{24269} = (12, 21, 22, 1)$	756 : $P_{25832} = (7, 6, 24, 1)$	810 : $P_{27701} = (20, 0, 26, 1)$
703 : $P_{24296} = (7, 22, 22, 1)$	757 : $P_{25873} = (16, 7, 24, 1)$	811 : $P_{27709} = (28, 0, 26, 1)$
704 : $P_{24328} = (7, 23, 22, 1)$	758 : $P_{25874} = (17, 7, 24, 1)$	812 : $P_{27717} = (4, 1, 26, 1)$
705 : $P_{24376} = (23, 24, 22, 1)$	759 : $P_{25888} = (31, 7, 24, 1)$	813 : $P_{27856} = (15, 5, 26, 1)$
706 : $P_{24417} = (0, 26, 22, 1)$	760 : $P_{26008} = (23, 11, 24, 1)$	814 : $P_{27901} = (28, 6, 26, 1)$
707 : $P_{24454} = (5, 27, 22, 1)$	761 : $P_{26056} = (7, 13, 24, 1)$	815 : $P_{27907} = (2, 7, 26, 1)$
708 : $P_{24487} = (6, 28, 22, 1)$	762 : $P_{26108} = (27, 14, 24, 1)$	816 : $P_{27941} = (4, 8, 26, 1)$
709 : $P_{24611} = (2, 0, 23, 1)$	763 : $P_{26177} = (0, 17, 24, 1)$	817 : $P_{27988} = (19, 9, 26, 1)$
710 : $P_{24624} = (15, 0, 23, 1)$	764 : $P_{26183} = (6, 17, 24, 1)$	818 : $P_{28008} = (7, 10, 26, 1)$
711 : $P_{24636} = (27, 0, 23, 1)$	765 : $P_{26191} = (14, 17, 24, 1)$	819 : $P_{28039} = (6, 11, 26, 1)$
712 : $P_{24675} = (2, 2, 23, 1)$	766 : $P_{26244} = (3, 19, 24, 1)$	820 : $P_{28046} = (13, 11, 26, 1)$
713 : $P_{24677} = (4, 2, 23, 1)$	767 : $P_{26248} = (7, 19, 24, 1)$	821 : $P_{28060} = (27, 11, 26, 1)$
714 : $P_{24691} = (18, 2, 23, 1)$	768 : $P_{26255} = (14, 19, 24, 1)$	822 : $P_{28065} = (0, 12, 26, 1)$
715 : $P_{24723} = (18, 3, 23, 1)$	769 : $P_{26330} = (25, 21, 24, 1)$	823 : $P_{28071} = (6, 12, 26, 1)$
716 : $P_{24769} = (0, 5, 23, 1)$	770 : $P_{26366} = (29, 22, 24, 1)$	824 : $P_{28082} = (17, 12, 26, 1)$
717 : $P_{24779} = (10, 5, 23, 1)$	771 : $P_{26377} = (8, 23, 24, 1)$	825 : $P_{28149} = (20, 14, 26, 1)$
718 : $P_{24794} = (25, 5, 23, 1)$	772 : $P_{26404} = (3, 24, 24, 1)$	826 : $P_{28161} = (0, 15, 26, 1)$
719 : $P_{24855} = (22, 7, 23, 1)$	773 : $P_{26414} = (13, 24, 24, 1)$	827 : $P_{28218} = (25, 16, 26, 1)$

828 : $P_{28293} = (4, 19, 26, 1)$	882 : $P_{29825} = (0, 3, 28, 1)$	936 : $P_{31673} = (24, 28, 29, 1)$
829 : $P_{28308} = (19, 19, 26, 1)$	883 : $P_{29833} = (8, 3, 28, 1)$	937 : $P_{31705} = (24, 29, 29, 1)$
830 : $P_{28320} = (31, 19, 26, 1)$	884 : $P_{29847} = (22, 3, 28, 1)$	938 : $P_{31718} = (5, 30, 29, 1)$
831 : $P_{28341} = (20, 20, 26, 1)$	885 : $P_{29880} = (23, 4, 28, 1)$	939 : $P_{31739} = (26, 30, 29, 1)$
832 : $P_{28358} = (5, 21, 26, 1)$	886 : $P_{29949} = (28, 6, 28, 1)$	940 : $P_{31742} = (29, 30, 29, 1)$
833 : $P_{28420} = (3, 23, 26, 1)$	887 : $P_{29980} = (27, 7, 28, 1)$	941 : $P_{31833} = (24, 1, 30, 1)$
834 : $P_{28438} = (21, 23, 26, 1)$	888 : $P_{30001} = (16, 8, 28, 1)$	942 : $P_{31945} = (8, 5, 30, 1)$
835 : $P_{28443} = (26, 23, 26, 1)$	889 : $P_{30085} = (4, 11, 28, 1)$	943 : $P_{32038} = (5, 8, 30, 1)$
836 : $P_{28461} = (12, 24, 26, 1)$	890 : $P_{30092} = (11, 11, 28, 1)$	944 : $P_{32157} = (28, 11, 30, 1)$
837 : $P_{28467} = (18, 24, 26, 1)$	891 : $P_{30106} = (25, 11, 28, 1)$	945 : $P_{32333} = (12, 17, 30, 1)$
838 : $P_{28478} = (29, 24, 26, 1)$	892 : $P_{30127} = (14, 12, 28, 1)$	946 : $P_{32341} = (20, 17, 30, 1)$
839 : $P_{28481} = (0, 25, 26, 1)$	893 : $P_{30158} = (13, 13, 28, 1)$	947 : $P_{32343} = (22, 17, 30, 1)$
840 : $P_{28497} = (16, 25, 26, 1)$	894 : $P_{30185} = (8, 14, 28, 1)$	948 : $P_{32383} = (30, 18, 30, 1)$
841 : $P_{28499} = (18, 25, 26, 1)$	895 : $P_{30189} = (12, 14, 28, 1)$	949 : $P_{32432} = (15, 20, 30, 1)$
842 : $P_{28515} = (2, 26, 26, 1)$	896 : $P_{30200} = (23, 14, 28, 1)$	950 : $P_{32480} = (31, 21, 30, 1)$
843 : $P_{28563} = (18, 27, 26, 1)$	897 : $P_{30243} = (2, 16, 28, 1)$	951 : $P_{32490} = (9, 22, 30, 1)$
844 : $P_{28605} = (28, 28, 26, 1)$	898 : $P_{30281} = (8, 17, 28, 1)$	952 : $P_{32504} = (23, 22, 30, 1)$
845 : $P_{28615} = (6, 29, 26, 1)$	899 : $P_{30282} = (9, 17, 28, 1)$	953 : $P_{32559} = (14, 24, 30, 1)$
846 : $P_{28620} = (11, 29, 26, 1)$	900 : $P_{30286} = (13, 17, 28, 1)$	954 : $P_{32627} = (18, 26, 30, 1)$
847 : $P_{28708} = (3, 0, 27, 1)$	901 : $P_{30326} = (21, 18, 28, 1)$	955 : $P_{32652} = (11, 27, 30, 1)$
848 : $P_{28743} = (6, 1, 27, 1)$	902 : $P_{30375} = (6, 20, 28, 1)$	956 : $P_{32659} = (18, 27, 30, 1)$
849 : $P_{28804} = (3, 3, 27, 1)$	903 : $P_{30431} = (30, 21, 28, 1)$	957 : $P_{32670} = (29, 27, 30, 1)$
850 : $P_{28880} = (15, 5, 27, 1)$	904 : $P_{30456} = (23, 22, 28, 1)$	958 : $P_{32692} = (19, 28, 30, 1)$
851 : $P_{28902} = (5, 6, 27, 1)$	905 : $P_{30467} = (2, 23, 28, 1)$	959 : $P_{32766} = (29, 30, 30, 1)$
852 : $P_{28956} = (27, 7, 27, 1)$	906 : $P_{30468} = (3, 23, 28, 1)$	960 : $P_{32776} = (7, 31, 30, 1)$
853 : $P_{28970} = (9, 8, 27, 1)$	907 : $P_{30476} = (11, 23, 28, 1)$	961 : $P_{32787} = (18, 31, 30, 1)$
854 : $P_{28971} = (10, 8, 27, 1)$	908 : $P_{30526} = (29, 24, 28, 1)$	962 : $P_{32790} = (21, 31, 30, 1)$
855 : $P_{28978} = (17, 8, 27, 1)$	909 : $P_{30592} = (31, 26, 28, 1)$	963 : $P_{32805} = (4, 0, 31, 1)$
856 : $P_{29076} = (19, 11, 27, 1)$	910 : $P_{30595} = (2, 27, 28, 1)$	964 : $P_{32842} = (9, 1, 31, 1)$
857 : $P_{29116} = (27, 12, 27, 1)$	911 : $P_{30620} = (27, 27, 28, 1)$	965 : $P_{32933} = (4, 4, 31, 1)$
858 : $P_{29163} = (10, 14, 27, 1)$	912 : $P_{30624} = (31, 27, 28, 1)$	966 : $P_{32944} = (15, 4, 31, 1)$
859 : $P_{29168} = (15, 14, 27, 1)$	913 : $P_{30629} = (4, 28, 28, 1)$	967 : $P_{32946} = (17, 4, 31, 1)$
860 : $P_{29170} = (17, 14, 27, 1)$	914 : $P_{30634} = (9, 28, 28, 1)$	968 : $P_{33012} = (19, 6, 31, 1)$
861 : $P_{29232} = (15, 16, 27, 1)$	915 : $P_{30637} = (12, 28, 28, 1)$	969 : $P_{33017} = (24, 6, 31, 1)$
862 : $P_{29244} = (27, 16, 27, 1)$	916 : $P_{30688} = (31, 29, 28, 1)$	970 : $P_{33033} = (8, 7, 31, 1)$
863 : $P_{29247} = (30, 16, 27, 1)$	917 : $P_{30861} = (12, 3, 29, 1)$	971 : $P_{33039} = (14, 7, 31, 1)$
864 : $P_{29344} = (31, 19, 27, 1)$	918 : $P_{30899} = (18, 4, 29, 1)$	972 : $P_{33056} = (31, 7, 31, 1)$
865 : $P_{29417} = (8, 22, 27, 1)$	919 : $P_{30927} = (14, 5, 29, 1)$	973 : $P_{33073} = (16, 8, 31, 1)$
866 : $P_{29448} = (7, 23, 27, 1)$	920 : $P_{30994} = (17, 7, 29, 1)$	974 : $P_{33106} = (17, 9, 31, 1)$
867 : $P_{29476} = (3, 24, 27, 1)$	921 : $P_{31046} = (5, 9, 29, 1)$	975 : $P_{33115} = (26, 9, 31, 1)$
868 : $P_{29493} = (20, 24, 27, 1)$	922 : $P_{31056} = (15, 9, 29, 1)$	976 : $P_{33117} = (28, 9, 31, 1)$
869 : $P_{29494} = (21, 24, 27, 1)$	923 : $P_{31072} = (31, 9, 29, 1)$	977 : $P_{33143} = (22, 10, 31, 1)$
870 : $P_{29533} = (28, 25, 27, 1)$	924 : $P_{31078} = (5, 10, 29, 1)$	978 : $P_{33146} = (25, 10, 31, 1)$
871 : $P_{29573} = (4, 27, 27, 1)$	925 : $P_{31137} = (0, 12, 29, 1)$	979 : $P_{33148} = (27, 10, 31, 1)$
872 : $P_{29612} = (11, 28, 27, 1)$	926 : $P_{31172} = (3, 13, 29, 1)$	980 : $P_{33193} = (8, 12, 31, 1)$
873 : $P_{29643} = (10, 29, 27, 1)$	927 : $P_{31306} = (9, 17, 29, 1)$	981 : $P_{33227} = (10, 13, 31, 1)$
874 : $P_{29650} = (17, 29, 27, 1)$	928 : $P_{31371} = (10, 19, 29, 1)$	982 : $P_{33251} = (2, 14, 31, 1)$
875 : $P_{29661} = (28, 29, 27, 1)$	929 : $P_{31450} = (25, 21, 29, 1)$	983 : $P_{33264} = (15, 14, 31, 1)$
876 : $P_{29669} = (4, 30, 27, 1)$	930 : $P_{31517} = (28, 23, 29, 1)$	984 : $P_{33278} = (29, 14, 31, 1)$
877 : $P_{29677} = (12, 30, 27, 1)$	931 : $P_{31523} = (2, 24, 29, 1)$	985 : $P_{33394} = (17, 18, 31, 1)$
878 : $P_{29725} = (28, 31, 27, 1)$	932 : $P_{31598} = (13, 26, 29, 1)$	986 : $P_{33449} = (8, 20, 31, 1)$
879 : $P_{29740} = (11, 0, 28, 1)$	933 : $P_{31606} = (21, 26, 29, 1)$	987 : $P_{33488} = (15, 21, 31, 1)$
880 : $P_{29742} = (13, 0, 28, 1)$	934 : $P_{31615} = (30, 26, 29, 1)$	988 : $P_{33523} = (18, 22, 31, 1)$
881 : $P_{29756} = (27, 0, 28, 1)$	935 : $P_{31636} = (19, 27, 29, 1)$	989 : $P_{33644} = (11, 26, 31, 1)$

$$990 : P_{33669} = (4, 27, 31, 1)$$

$$991 : P_{33697} = (0, 28, 31, 1)$$

$$992 : P_{33807} = (14, 31, 31, 1)$$