

Rank-74106 over GF(32)

January 15, 2021

The equation

The equation of the surface is :

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

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

The point rank of the equation over GF(32) is -2078242746

General information

Number of lines	0
Number of points	961
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	961
Number of Hesse planes	0
Number of axes	0
Type of points on lines	
Type of lines on points	0^{961}

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 961 points not on any line:

The points on the surface but not on lines are:

0 : $P_3 = (0, 0, 0, 1)$	27 : $P_{1791} = (29, 22, 0, 1)$
1 : $P_{1128} = (6, 2, 0, 1)$	28 : $P_{1810} = (16, 23, 0, 1)$
2 : $P_{1173} = (19, 3, 0, 1)$	29 : $P_{1839} = (13, 24, 0, 1)$
3 : $P_{1206} = (20, 4, 0, 1)$	30 : $P_{1878} = (20, 25, 0, 1)$
4 : $P_{1226} = (8, 5, 0, 1)$	31 : $P_{1880} = (22, 25, 0, 1)$
5 : $P_{1253} = (3, 6, 0, 1)$	32 : $P_{1884} = (26, 25, 0, 1)$
6 : $P_{1275} = (25, 6, 0, 1)$	33 : $P_{1920} = (30, 26, 0, 1)$
7 : $P_{1279} = (29, 6, 0, 1)$	34 : $P_{1947} = (25, 27, 0, 1)$
8 : $P_{1309} = (27, 7, 0, 1)$	35 : $P_{1958} = (4, 28, 0, 1)$
9 : $P_{1341} = (27, 8, 0, 1)$	36 : $P_{2003} = (17, 29, 0, 1)$
10 : $P_{1362} = (16, 9, 0, 1)$	37 : $P_{2006} = (20, 29, 0, 1)$
11 : $P_{1380} = (2, 10, 0, 1)$	38 : $P_{2011} = (25, 29, 0, 1)$
12 : $P_{1423} = (13, 11, 0, 1)$	39 : $P_{2034} = (16, 30, 0, 1)$
13 : $P_{1456} = (14, 12, 0, 1)$	40 : $P_{2052} = (2, 31, 0, 1)$
14 : $P_{1496} = (22, 13, 0, 1)$	41 : $P_{3111} = (6, 0, 2, 1)$
15 : $P_{1510} = (4, 14, 0, 1)$	42 : $P_{3183} = (14, 2, 2, 1)$
16 : $P_{1565} = (27, 15, 0, 1)$	43 : $P_{3191} = (22, 2, 2, 1)$
17 : $P_{1599} = (29, 16, 0, 1)$	44 : $P_{3194} = (25, 2, 2, 1)$
18 : $P_{1612} = (10, 17, 0, 1)$	45 : $P_{3239} = (6, 4, 2, 1)$
19 : $P_{1638} = (4, 18, 0, 1)$	46 : $P_{3255} = (22, 4, 2, 1)$
20 : $P_{1679} = (13, 19, 0, 1)$	47 : $P_{3256} = (23, 4, 2, 1)$
21 : $P_{1703} = (5, 20, 0, 1)$	48 : $P_{3290} = (25, 5, 2, 1)$
22 : $P_{1704} = (6, 20, 0, 1)$	49 : $P_{3303} = (6, 6, 2, 1)$
23 : $P_{1720} = (22, 20, 0, 1)$	50 : $P_{3346} = (17, 7, 2, 1)$
24 : $P_{1732} = (2, 21, 0, 1)$	51 : $P_{3363} = (2, 8, 2, 1)$
25 : $P_{1768} = (6, 22, 0, 1)$	52 : $P_{3470} = (13, 11, 2, 1)$
26 : $P_{1774} = (12, 22, 0, 1)$	53 : $P_{3498} = (9, 12, 2, 1)$

54 : $P_{3507} = (18, 12, 2, 1)$	108 : $P_{5247} = (30, 2, 4, 1)$
55 : $P_{3509} = (20, 12, 2, 1)$	109 : $P_{5260} = (11, 3, 4, 1)$
56 : $P_{3561} = (8, 14, 2, 1)$	110 : $P_{5267} = (18, 3, 4, 1)$
57 : $P_{3577} = (24, 14, 2, 1)$	111 : $P_{5280} = (31, 3, 4, 1)$
58 : $P_{3582} = (29, 14, 2, 1)$	112 : $P_{5287} = (6, 4, 4, 1)$
59 : $P_{3589} = (4, 15, 2, 1)$	113 : $P_{5306} = (25, 4, 4, 1)$
60 : $P_{3638} = (21, 16, 2, 1)$	114 : $P_{5311} = (30, 4, 4, 1)$
61 : $P_{3643} = (26, 16, 2, 1)$	115 : $P_{5389} = (12, 7, 4, 1)$
62 : $P_{3645} = (28, 16, 2, 1)$	116 : $P_{5477} = (4, 10, 4, 1)$
63 : $P_{3676} = (27, 17, 2, 1)$	117 : $P_{5539} = (2, 12, 4, 1)$
64 : $P_{3754} = (9, 20, 2, 1)$	118 : $P_{5572} = (3, 13, 4, 1)$
65 : $P_{3758} = (13, 20, 2, 1)$	119 : $P_{5592} = (23, 13, 4, 1)$
66 : $P_{3764} = (19, 20, 2, 1)$	120 : $P_{5597} = (28, 13, 4, 1)$
67 : $P_{3843} = (2, 23, 2, 1)$	121 : $P_{5660} = (27, 15, 4, 1)$
68 : $P_{3890} = (17, 24, 2, 1)$	122 : $P_{5685} = (20, 16, 4, 1)$
69 : $P_{3946} = (9, 26, 2, 1)$	123 : $P_{5689} = (24, 16, 4, 1)$
70 : $P_{3952} = (15, 26, 2, 1)$	124 : $P_{5690} = (25, 16, 4, 1)$
71 : $P_{3968} = (31, 26, 2, 1)$	125 : $P_{5703} = (6, 17, 4, 1)$
72 : $P_{3983} = (14, 27, 2, 1)$	126 : $P_{5813} = (20, 20, 4, 1)$
73 : $P_{4011} = (10, 28, 2, 1)$	127 : $P_{5837} = (12, 21, 4, 1)$
74 : $P_{4035} = (2, 29, 2, 1)$	128 : $P_{5861} = (4, 22, 4, 1)$
75 : $P_{4046} = (13, 29, 2, 1)$	129 : $P_{5869} = (12, 22, 4, 1)$
76 : $P_{4050} = (17, 29, 2, 1)$	130 : $P_{5884} = (27, 22, 4, 1)$
77 : $P_{4148} = (19, 0, 3, 1)$	131 : $P_{5903} = (14, 23, 4, 1)$
78 : $P_{4251} = (26, 3, 3, 1)$	132 : $P_{5925} = (4, 24, 4, 1)$
79 : $P_{4292} = (3, 5, 3, 1)$	133 : $P_{5994} = (9, 26, 4, 1)$
80 : $P_{4306} = (17, 5, 3, 1)$	134 : $P_{5996} = (11, 26, 4, 1)$
81 : $P_{4310} = (21, 5, 3, 1)$	135 : $P_{6014} = (29, 26, 4, 1)$
82 : $P_{4336} = (15, 6, 3, 1)$	136 : $P_{6089} = (8, 29, 4, 1)$
83 : $P_{4344} = (23, 6, 3, 1)$	137 : $P_{6092} = (11, 29, 4, 1)$
84 : $P_{4349} = (28, 6, 3, 1)$	138 : $P_{6108} = (27, 29, 4, 1)$
85 : $P_{4397} = (12, 8, 3, 1)$	139 : $P_{6120} = (7, 30, 4, 1)$
86 : $P_{4424} = (7, 9, 3, 1)$	140 : $P_{6123} = (10, 30, 4, 1)$
87 : $P_{4438} = (21, 9, 3, 1)$	141 : $P_{6135} = (22, 30, 4, 1)$
88 : $P_{4442} = (25, 9, 3, 1)$	142 : $P_{6161} = (16, 31, 4, 1)$
89 : $P_{4469} = (20, 10, 3, 1)$	143 : $P_{6185} = (8, 0, 5, 1)$
90 : $P_{4630} = (21, 15, 3, 1)$	144 : $P_{6265} = (24, 2, 5, 1)$
91 : $P_{4660} = (19, 16, 3, 1)$	145 : $P_{6340} = (3, 5, 5, 1)$
92 : $P_{4684} = (11, 17, 3, 1)$	146 : $P_{6410} = (9, 7, 5, 1)$
93 : $P_{4712} = (7, 18, 3, 1)$	147 : $P_{6422} = (21, 7, 5, 1)$
94 : $P_{4756} = (19, 19, 3, 1)$	148 : $P_{6432} = (31, 7, 5, 1)$
95 : $P_{4761} = (24, 19, 3, 1)$	149 : $P_{6436} = (3, 8, 5, 1)$
96 : $P_{4763} = (26, 19, 3, 1)$	150 : $P_{6440} = (7, 8, 5, 1)$
97 : $P_{4809} = (8, 21, 3, 1)$	151 : $P_{6441} = (8, 8, 5, 1)$
98 : $P_{4904} = (7, 24, 3, 1)$	152 : $P_{6486} = (21, 9, 5, 1)$
99 : $P_{4912} = (15, 24, 3, 1)$	153 : $P_{6523} = (26, 10, 5, 1)$
100 : $P_{4915} = (18, 24, 3, 1)$	154 : $P_{6535} = (6, 11, 5, 1)$
101 : $P_{5016} = (23, 27, 3, 1)$	155 : $P_{6550} = (21, 11, 5, 1)$
102 : $P_{5072} = (15, 29, 3, 1)$	156 : $P_{6557} = (28, 11, 5, 1)$
103 : $P_{5094} = (5, 30, 3, 1)$	157 : $P_{6576} = (15, 12, 5, 1)$
104 : $P_{5103} = (14, 30, 3, 1)$	158 : $P_{6601} = (8, 13, 5, 1)$
105 : $P_{5112} = (23, 30, 3, 1)$	159 : $P_{6654} = (29, 14, 5, 1)$
106 : $P_{5137} = (16, 31, 3, 1)$	160 : $P_{6726} = (5, 17, 5, 1)$
107 : $P_{5173} = (20, 0, 4, 1)$	161 : $P_{6733} = (12, 17, 5, 1)$

162 : $P_{6749} = (28, 17, 5, 1)$	216 : $P_{8658} = (17, 13, 7, 1)$
163 : $P_{6766} = (13, 18, 5, 1)$	217 : $P_{8675} = (2, 14, 7, 1)$
164 : $P_{6802} = (17, 19, 5, 1)$	218 : $P_{8696} = (23, 14, 7, 1)$
165 : $P_{6809} = (24, 19, 5, 1)$	219 : $P_{8702} = (29, 14, 7, 1)$
166 : $P_{6815} = (30, 19, 5, 1)$	220 : $P_{8716} = (11, 15, 7, 1)$
167 : $P_{6840} = (23, 20, 5, 1)$	221 : $P_{8740} = (3, 16, 7, 1)$
168 : $P_{6841} = (24, 20, 5, 1)$	222 : $P_{8793} = (24, 17, 7, 1)$
169 : $P_{6848} = (31, 20, 5, 1)$	223 : $P_{8876} = (11, 20, 7, 1)$
170 : $P_{6912} = (31, 22, 5, 1)$	224 : $P_{8928} = (31, 21, 7, 1)$
171 : $P_{7083} = (10, 28, 5, 1)$	225 : $P_{8947} = (18, 22, 7, 1)$
172 : $P_{7197} = (28, 31, 5, 1)$	226 : $P_{9006} = (13, 24, 7, 1)$
173 : $P_{7204} = (3, 0, 6, 1)$	227 : $P_{9114} = (25, 27, 7, 1)$
174 : $P_{7226} = (25, 0, 6, 1)$	228 : $P_{9116} = (27, 27, 7, 1)$
175 : $P_{7230} = (29, 0, 6, 1)$	229 : $P_{9120} = (31, 27, 7, 1)$
176 : $P_{7292} = (27, 2, 6, 1)$	230 : $P_{9131} = (10, 28, 7, 1)$
177 : $P_{7300} = (3, 3, 6, 1)$	231 : $P_{9132} = (11, 28, 7, 1)$
178 : $P_{7335} = (6, 4, 6, 1)$	232 : $P_{9148} = (27, 28, 7, 1)$
179 : $P_{7337} = (8, 4, 6, 1)$	233 : $P_{9177} = (24, 29, 7, 1)$
180 : $P_{7342} = (13, 4, 6, 1)$	234 : $P_{9233} = (16, 31, 7, 1)$
181 : $P_{7364} = (3, 5, 6, 1)$	235 : $P_{9276} = (27, 0, 8, 1)$
182 : $P_{7406} = (13, 6, 6, 1)$	236 : $P_{9328} = (15, 2, 8, 1)$
183 : $P_{7510} = (21, 9, 6, 1)$	237 : $P_{9337} = (24, 2, 8, 1)$
184 : $P_{7551} = (30, 10, 6, 1)$	238 : $P_{9341} = (28, 2, 8, 1)$
185 : $P_{7584} = (31, 11, 6, 1)$	239 : $P_{9363} = (18, 3, 8, 1)$
186 : $P_{7636} = (19, 13, 6, 1)$	240 : $P_{9400} = (23, 4, 8, 1)$
187 : $P_{7719} = (6, 16, 6, 1)$	241 : $P_{9443} = (2, 6, 8, 1)$
188 : $P_{7779} = (2, 18, 6, 1)$	242 : $P_{9462} = (21, 6, 8, 1)$
189 : $P_{7783} = (6, 18, 6, 1)$	243 : $P_{9465} = (24, 6, 8, 1)$
190 : $P_{7794} = (17, 18, 6, 1)$	244 : $P_{9507} = (2, 8, 8, 1)$
191 : $P_{7833} = (24, 19, 6, 1)$	245 : $P_{9644} = (11, 12, 8, 1)$
192 : $P_{7863} = (22, 20, 6, 1)$	246 : $P_{9655} = (22, 12, 8, 1)$
193 : $P_{7896} = (23, 21, 6, 1)$	247 : $P_{9657} = (24, 12, 8, 1)$
194 : $P_{7926} = (21, 22, 6, 1)$	248 : $P_{9673} = (8, 13, 8, 1)$
195 : $P_{7931} = (26, 22, 6, 1)$	249 : $P_{9727} = (30, 14, 8, 1)$
196 : $P_{7935} = (30, 22, 6, 1)$	250 : $P_{9776} = (15, 16, 8, 1)$
197 : $P_{8019} = (18, 25, 6, 1)$	251 : $P_{9856} = (31, 18, 8, 1)$
198 : $P_{8022} = (21, 25, 6, 1)$	252 : $P_{9869} = (12, 19, 8, 1)$
199 : $P_{8026} = (25, 25, 6, 1)$	253 : $P_{9870} = (13, 19, 8, 1)$
200 : $P_{8042} = (9, 26, 6, 1)$	254 : $P_{9884} = (27, 19, 8, 1)$
201 : $P_{8043} = (10, 26, 6, 1)$	255 : $P_{9914} = (25, 20, 8, 1)$
202 : $P_{8063} = (30, 26, 6, 1)$	256 : $P_{9931} = (10, 21, 8, 1)$
203 : $P_{8094} = (29, 27, 6, 1)$	257 : $P_{10028} = (11, 24, 8, 1)$
204 : $P_{8102} = (5, 28, 6, 1)$	258 : $P_{10071} = (22, 25, 8, 1)$
205 : $P_{8158} = (29, 29, 6, 1)$	259 : $P_{10096} = (15, 26, 8, 1)$
206 : $P_{8207} = (14, 31, 6, 1)$	260 : $P_{10140} = (27, 27, 8, 1)$
207 : $P_{8208} = (15, 31, 6, 1)$	261 : $P_{10156} = (11, 28, 8, 1)$
208 : $P_{8218} = (25, 31, 6, 1)$	262 : $P_{10182} = (5, 29, 8, 1)$
209 : $P_{8252} = (27, 0, 7, 1)$	263 : $P_{10184} = (7, 29, 8, 1)$
210 : $P_{8350} = (29, 3, 7, 1)$	264 : $P_{10199} = (22, 29, 8, 1)$
211 : $P_{8404} = (19, 5, 7, 1)$	265 : $P_{10289} = (16, 0, 9, 1)$
212 : $P_{8465} = (16, 7, 7, 1)$	266 : $P_{10435} = (2, 5, 9, 1)$
213 : $P_{8544} = (31, 9, 7, 1)$	267 : $P_{10500} = (3, 7, 9, 1)$
214 : $P_{8574} = (29, 10, 7, 1)$	268 : $P_{10515} = (18, 7, 9, 1)$
215 : $P_{8601} = (24, 11, 7, 1)$	269 : $P_{10527} = (30, 7, 9, 1)$

270 : $P_{10581} = (20, 9, 9, 1)$
 271 : $P_{10608} = (15, 10, 9, 1)$
 272 : $P_{10616} = (23, 10, 9, 1)$
 273 : $P_{10619} = (26, 10, 9, 1)$
 274 : $P_{10642} = (17, 11, 9, 1)$
 275 : $P_{10688} = (31, 12, 9, 1)$
 276 : $P_{10714} = (25, 13, 9, 1)$
 277 : $P_{10745} = (24, 14, 9, 1)$
 278 : $P_{10766} = (13, 15, 9, 1)$
 279 : $P_{10801} = (16, 16, 9, 1)$
 280 : $P_{10808} = (23, 16, 9, 1)$
 281 : $P_{10816} = (31, 16, 9, 1)$
 282 : $P_{10851} = (2, 18, 9, 1)$
 283 : $P_{10904} = (23, 19, 9, 1)$
 284 : $P_{10976} = (31, 21, 9, 1)$
 285 : $P_{10988} = (11, 22, 9, 1)$
 286 : $P_{11029} = (20, 23, 9, 1)$
 287 : $P_{11069} = (28, 24, 9, 1)$
 288 : $P_{11089} = (16, 25, 9, 1)$
 289 : $P_{11134} = (29, 26, 9, 1)$
 290 : $P_{11235} = (2, 30, 9, 1)$
 291 : $P_{11299} = (2, 0, 10, 1)$
 292 : $P_{11363} = (2, 2, 10, 1)$
 293 : $P_{11424} = (31, 3, 10, 1)$
 294 : $P_{11432} = (7, 4, 10, 1)$
 295 : $P_{11448} = (23, 4, 10, 1)$
 296 : $P_{11456} = (31, 4, 10, 1)$
 297 : $P_{11466} = (9, 5, 10, 1)$
 298 : $P_{11514} = (25, 6, 10, 1)$
 299 : $P_{11536} = (15, 7, 10, 1)$
 300 : $P_{11555} = (2, 8, 10, 1)$
 301 : $P_{11579} = (26, 8, 10, 1)$
 302 : $P_{11580} = (27, 8, 10, 1)$
 303 : $P_{11603} = (18, 9, 10, 1)$
 304 : $P_{11621} = (4, 10, 10, 1)$
 305 : $P_{11744} = (31, 13, 10, 1)$
 306 : $P_{11833} = (24, 16, 10, 1)$
 307 : $P_{11941} = (4, 20, 10, 1)$
 308 : $P_{11944} = (7, 20, 10, 1)$
 309 : $P_{11965} = (28, 20, 10, 1)$
 310 : $P_{12018} = (17, 22, 10, 1)$
 311 : $P_{12022} = (21, 22, 10, 1)$
 312 : $P_{12026} = (25, 22, 10, 1)$
 313 : $P_{12048} = (15, 23, 10, 1)$
 314 : $P_{12136} = (7, 26, 10, 1)$
 315 : $P_{12144} = (15, 26, 10, 1)$
 316 : $P_{12154} = (25, 26, 10, 1)$
 317 : $P_{12171} = (10, 27, 10, 1)$
 318 : $P_{12207} = (14, 28, 10, 1)$
 319 : $P_{12231} = (6, 29, 10, 1)$
 320 : $P_{12276} = (19, 30, 10, 1)$
 321 : $P_{12334} = (13, 0, 11, 1)$
 322 : $P_{12439} = (22, 3, 11, 1)$
 323 : $P_{12526} = (13, 6, 11, 1)$

324 : $P_{12568} = (23, 7, 11, 1)$
 325 : $P_{12601} = (24, 8, 11, 1)$
 326 : $P_{12613} = (4, 9, 11, 1)$
 327 : $P_{12702} = (29, 11, 11, 1)$
 328 : $P_{12750} = (13, 13, 11, 1)$
 329 : $P_{12755} = (18, 13, 11, 1)$
 330 : $P_{12761} = (24, 13, 11, 1)$
 331 : $P_{12772} = (3, 14, 11, 1)$
 332 : $P_{12793} = (24, 14, 11, 1)$
 333 : $P_{12800} = (31, 14, 11, 1)$
 334 : $P_{12813} = (12, 15, 11, 1)$
 335 : $P_{12869} = (4, 17, 11, 1)$
 336 : $P_{12933} = (4, 19, 11, 1)$
 337 : $P_{12998} = (5, 21, 11, 1)$
 338 : $P_{13002} = (9, 21, 11, 1)$
 339 : $P_{13012} = (19, 21, 11, 1)$
 340 : $P_{13118} = (29, 24, 11, 1)$
 341 : $P_{13136} = (15, 25, 11, 1)$
 342 : $P_{13171} = (18, 26, 11, 1)$
 343 : $P_{13191} = (6, 27, 11, 1)$
 344 : $P_{13235} = (18, 28, 11, 1)$
 345 : $P_{13288} = (7, 30, 11, 1)$
 346 : $P_{13340} = (27, 31, 11, 1)$
 347 : $P_{13359} = (14, 0, 12, 1)$
 348 : $P_{13423} = (14, 2, 12, 1)$
 349 : $P_{13459} = (18, 3, 12, 1)$
 350 : $P_{13546} = (9, 6, 12, 1)$
 351 : $P_{13657} = (24, 9, 12, 1)$
 352 : $P_{13673} = (8, 10, 12, 1)$
 353 : $P_{13686} = (21, 10, 12, 1)$
 354 : $P_{13691} = (26, 10, 12, 1)$
 355 : $P_{13699} = (2, 11, 12, 1)$
 356 : $P_{13746} = (17, 12, 12, 1)$
 357 : $P_{13807} = (14, 14, 12, 1)$
 358 : $P_{13810} = (17, 14, 12, 1)$
 359 : $P_{13821} = (28, 14, 12, 1)$
 360 : $P_{13848} = (23, 15, 12, 1)$
 361 : $P_{13878} = (21, 16, 12, 1)$
 362 : $P_{13978} = (25, 19, 12, 1)$
 363 : $P_{14056} = (7, 22, 12, 1)$
 364 : $P_{14058} = (9, 22, 12, 1)$
 365 : $P_{14070} = (21, 22, 12, 1)$
 366 : $P_{14143} = (30, 24, 12, 1)$
 367 : $P_{14180} = (3, 26, 12, 1)$
 368 : $P_{14189} = (12, 26, 12, 1)$
 369 : $P_{14201} = (24, 26, 12, 1)$
 370 : $P_{14250} = (9, 28, 12, 1)$
 371 : $P_{14256} = (15, 28, 12, 1)$
 372 : $P_{14264} = (23, 28, 12, 1)$
 373 : $P_{14310} = (5, 30, 12, 1)$
 374 : $P_{14360} = (23, 31, 12, 1)$
 375 : $P_{14361} = (24, 31, 12, 1)$
 376 : $P_{14366} = (29, 31, 12, 1)$
 377 : $P_{14391} = (22, 0, 13, 1)$

378 : $P_{14440} = (7, 2, 13, 1)$	432 : $P_{16096} = (31, 21, 14, 1)$
379 : $P_{14450} = (17, 2, 13, 1)$	433 : $P_{16117} = (20, 22, 14, 1)$
380 : $P_{14457} = (24, 2, 13, 1)$	434 : $P_{16159} = (30, 23, 14, 1)$
381 : $P_{14481} = (16, 3, 13, 1)$	435 : $P_{16192} = (31, 24, 14, 1)$
382 : $P_{14544} = (15, 5, 13, 1)$	436 : $P_{16199} = (6, 25, 14, 1)$
383 : $P_{14554} = (25, 5, 13, 1)$	437 : $P_{16205} = (12, 25, 14, 1)$
384 : $P_{14560} = (31, 5, 13, 1)$	438 : $P_{16221} = (28, 25, 14, 1)$
385 : $P_{14564} = (3, 6, 13, 1)$	439 : $P_{16275} = (18, 27, 14, 1)$
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 791 : $P_{28264} = (7, 18, 26, 1)$
 792 : $P_{28279} = (22, 18, 26, 1)$
 793 : $P_{28281} = (24, 18, 26, 1)$
 794 : $P_{28306} = (17, 19, 26, 1)$
 795 : $P_{28332} = (11, 20, 26, 1)$
 796 : $P_{28428} = (11, 23, 26, 1)$
 797 : $P_{28441} = (24, 23, 26, 1)$
 798 : $P_{28448} = (31, 23, 26, 1)$
 799 : $P_{28492} = (11, 25, 26, 1)$
 800 : $P_{28502} = (21, 25, 26, 1)$
 801 : $P_{28509} = (28, 25, 26, 1)$
 802 : $P_{28525} = (12, 26, 26, 1)$
 803 : $P_{28653} = (12, 30, 26, 1)$
 804 : $P_{28664} = (23, 30, 26, 1)$
 805 : $P_{28671} = (30, 30, 26, 1)$
 806 : $P_{28697} = (24, 31, 26, 1)$
 807 : $P_{28730} = (25, 0, 27, 1)$
 808 : $P_{28794} = (25, 2, 27, 1)$
 809 : $P_{28797} = (28, 2, 27, 1)$

810 : $P_{28798} = (29, 2, 27, 1)$
 811 : $P_{28823} = (22, 3, 27, 1)$
 812 : $P_{28840} = (7, 4, 27, 1)$
 813 : $P_{28845} = (12, 4, 27, 1)$
 814 : $P_{28854} = (21, 4, 27, 1)$
 815 : $P_{28878} = (13, 5, 27, 1)$
 816 : $P_{28913} = (16, 6, 27, 1)$
 817 : $P_{28915} = (18, 6, 27, 1)$
 818 : $P_{28927} = (30, 6, 27, 1)$
 819 : $P_{29009} = (16, 9, 27, 1)$
 820 : $P_{29044} = (19, 10, 27, 1)$
 821 : $P_{29045} = (20, 10, 27, 1)$
 822 : $P_{29048} = (23, 10, 27, 1)$
 823 : $P_{29059} = (2, 11, 27, 1)$
 824 : $P_{29100} = (11, 12, 27, 1)$
 825 : $P_{29104} = (15, 12, 27, 1)$
 826 : $P_{29107} = (18, 12, 27, 1)$
 827 : $P_{29131} = (10, 13, 27, 1)$
 828 : $P_{29255} = (6, 17, 27, 1)$
 829 : $P_{29267} = (18, 17, 27, 1)$
 830 : $P_{29280} = (31, 17, 27, 1)$
 831 : $P_{29340} = (27, 19, 27, 1)$
 832 : $P_{29350} = (5, 20, 27, 1)$
 833 : $P_{29361} = (16, 20, 27, 1)$
 834 : $P_{29372} = (27, 20, 27, 1)$
 835 : $P_{29385} = (8, 21, 27, 1)$
 836 : $P_{29446} = (5, 23, 27, 1)$
 837 : $P_{29478} = (5, 24, 27, 1)$
 838 : $P_{29530} = (25, 25, 27, 1)$
 839 : $P_{29579} = (10, 27, 27, 1)$
 840 : $P_{29591} = (22, 27, 27, 1)$
 841 : $P_{29598} = (29, 27, 27, 1)$
 842 : $P_{29628} = (27, 28, 27, 1)$
 843 : $P_{29733} = (4, 0, 28, 1)$
 844 : $P_{29819} = (26, 2, 28, 1)$
 845 : $P_{29861} = (4, 4, 28, 1)$
 846 : $P_{29866} = (9, 4, 28, 1)$
 847 : $P_{29877} = (20, 4, 28, 1)$
 848 : $P_{29932} = (11, 6, 28, 1)$
 849 : $P_{30044} = (27, 9, 28, 1)$
 850 : $P_{30123} = (10, 12, 28, 1)$
 851 : $P_{30218} = (9, 15, 28, 1)$
 852 : $P_{30298} = (25, 17, 28, 1)$
 853 : $P_{30336} = (31, 18, 28, 1)$
 854 : $P_{30344} = (7, 19, 28, 1)$
 855 : $P_{30353} = (16, 19, 28, 1)$
 856 : $P_{30362} = (25, 19, 28, 1)$
 857 : $P_{30403} = (2, 21, 28, 1)$
 858 : $P_{30464} = (31, 22, 28, 1)$
 859 : $P_{30474} = (9, 23, 28, 1)$
 860 : $P_{30501} = (4, 24, 28, 1)$
 861 : $P_{30527} = (30, 24, 28, 1)$
 862 : $P_{30528} = (31, 24, 28, 1)$
 863 : $P_{30550} = (21, 25, 28, 1)$

864 : $P_{30582} = (21, 26, 28, 1)$
 865 : $P_{30610} = (17, 27, 28, 1)$
 866 : $P_{30652} = (27, 28, 28, 1)$
 867 : $P_{30714} = (25, 30, 28, 1)$
 868 : $P_{30742} = (21, 31, 28, 1)$
 869 : $P_{30770} = (17, 0, 29, 1)$
 870 : $P_{30773} = (20, 0, 29, 1)$
 871 : $P_{30778} = (25, 0, 29, 1)$
 872 : $P_{30827} = (10, 2, 29, 1)$
 873 : $P_{30906} = (25, 4, 29, 1)$
 874 : $P_{30921} = (8, 5, 29, 1)$
 875 : $P_{30928} = (15, 5, 29, 1)$
 876 : $P_{30943} = (30, 5, 29, 1)$
 877 : $P_{30950} = (5, 6, 29, 1)$
 878 : $P_{30953} = (8, 6, 29, 1)$
 879 : $P_{30968} = (23, 6, 29, 1)$
 880 : $P_{31059} = (18, 9, 29, 1)$
 881 : $P_{31060} = (19, 9, 29, 1)$
 882 : $P_{31061} = (20, 9, 29, 1)$
 883 : $P_{31094} = (21, 10, 29, 1)$
 884 : $P_{31121} = (16, 11, 29, 1)$
 885 : $P_{31131} = (26, 11, 29, 1)$
 886 : $P_{31134} = (29, 11, 29, 1)$
 887 : $P_{31154} = (17, 12, 29, 1)$
 888 : $P_{31171} = (2, 13, 29, 1)$
 889 : $P_{31183} = (14, 13, 29, 1)$
 890 : $P_{31198} = (29, 13, 29, 1)$
 891 : $P_{31256} = (23, 15, 29, 1)$
 892 : $P_{31269} = (4, 16, 29, 1)$
 893 : $P_{31314} = (17, 17, 29, 1)$
 894 : $P_{31404} = (11, 20, 29, 1)$
 895 : $P_{31413} = (20, 20, 29, 1)$
 896 : $P_{31416} = (23, 20, 29, 1)$
 897 : $P_{31463} = (6, 22, 29, 1)$
 898 : $P_{31496} = (7, 23, 29, 1)$
 899 : $P_{31533} = (12, 24, 29, 1)$
 900 : $P_{31578} = (25, 25, 29, 1)$
 901 : $P_{31646} = (29, 27, 29, 1)$
 902 : $P_{31683} = (2, 29, 29, 1)$
 903 : $P_{31721} = (8, 30, 29, 1)$
 904 : $P_{31754} = (9, 31, 29, 1)$
 905 : $P_{31793} = (16, 0, 30, 1)$
 906 : $P_{31850} = (9, 2, 30, 1)$
 907 : $P_{31935} = (30, 4, 30, 1)$
 908 : $P_{31955} = (18, 5, 30, 1)$
 909 : $P_{31957} = (20, 5, 30, 1)$
 910 : $P_{31965} = (28, 5, 30, 1)$
 911 : $P_{31989} = (20, 6, 30, 1)$
 912 : $P_{31992} = (23, 6, 30, 1)$
 913 : $P_{31995} = (26, 6, 30, 1)$
 914 : $P_{32019} = (18, 7, 30, 1)$
 915 : $P_{32043} = (10, 8, 30, 1)$
 916 : $P_{32176} = (15, 12, 30, 1)$
 917 : $P_{32200} = (7, 13, 30, 1)$

918 : $P_{32202} = (9, 13, 30, 1)$	940 : $P_{32972} = (11, 5, 31, 1)$
919 : $P_{32221} = (28, 13, 30, 1)$	941 : $P_{33085} = (28, 8, 31, 1)$
920 : $P_{32229} = (4, 14, 30, 1)$	942 : $P_{33093} = (4, 9, 31, 1)$
921 : $P_{32230} = (5, 14, 30, 1)$	943 : $P_{33134} = (13, 10, 31, 1)$
922 : $P_{32241} = (16, 14, 30, 1)$	944 : $P_{33270} = (21, 14, 31, 1)$
923 : $P_{32268} = (11, 15, 30, 1)$	945 : $P_{33294} = (13, 15, 31, 1)$
924 : $P_{32305} = (16, 16, 30, 1)$	946 : $P_{33351} = (6, 17, 31, 1)$
925 : $P_{32330} = (9, 17, 30, 1)$	947 : $P_{33380} = (3, 18, 31, 1)$
926 : $P_{32494} = (13, 22, 30, 1)$	948 : $P_{33418} = (9, 19, 31, 1)$
927 : $P_{32505} = (24, 22, 30, 1)$	949 : $P_{33426} = (17, 19, 31, 1)$
928 : $P_{32509} = (28, 22, 30, 1)$	950 : $P_{33430} = (21, 19, 31, 1)$
929 : $P_{32564} = (19, 24, 30, 1)$	951 : $P_{33459} = (18, 20, 31, 1)$
930 : $P_{32606} = (29, 25, 30, 1)$	952 : $P_{33498} = (25, 21, 31, 1)$
931 : $P_{32662} = (21, 27, 30, 1)$	953 : $P_{33547} = (10, 23, 31, 1)$
932 : $P_{32691} = (18, 28, 30, 1)$	954 : $P_{33549} = (12, 23, 31, 1)$
933 : $P_{32725} = (20, 29, 30, 1)$	955 : $P_{33552} = (15, 23, 31, 1)$
934 : $P_{32750} = (13, 30, 30, 1)$	956 : $P_{33580} = (11, 24, 31, 1)$
935 : $P_{32803} = (2, 0, 31, 1)$	957 : $P_{33646} = (13, 26, 31, 1)$
936 : $P_{32867} = (2, 2, 31, 1)$	958 : $P_{33704} = (7, 28, 31, 1)$
937 : $P_{32876} = (11, 2, 31, 1)$	959 : $P_{33731} = (2, 29, 31, 1)$
938 : $P_{32886} = (21, 2, 31, 1)$	960 : $P_{33818} = (25, 31, 31, 1)$
939 : $P_{32958} = (29, 4, 31, 1)$	

Line Intersection Graph

┘

Neighbor sets in the line intersection graph:

The surface has 961 points:

The points on the surface are:

0 : $P_3 = (0, 0, 0, 1)$	22 : $P_{1704} = (6, 20, 0, 1)$	44 : $P_{3194} = (25, 2, 2, 1)$
1 : $P_{1128} = (6, 2, 0, 1)$	23 : $P_{1720} = (22, 20, 0, 1)$	45 : $P_{3239} = (6, 4, 2, 1)$
2 : $P_{1173} = (19, 3, 0, 1)$	24 : $P_{1732} = (2, 21, 0, 1)$	46 : $P_{3255} = (22, 4, 2, 1)$
3 : $P_{1206} = (20, 4, 0, 1)$	25 : $P_{1768} = (6, 22, 0, 1)$	47 : $P_{3256} = (23, 4, 2, 1)$
4 : $P_{1226} = (8, 5, 0, 1)$	26 : $P_{1774} = (12, 22, 0, 1)$	48 : $P_{3290} = (25, 5, 2, 1)$
5 : $P_{1253} = (3, 6, 0, 1)$	27 : $P_{1791} = (29, 22, 0, 1)$	49 : $P_{3303} = (6, 6, 2, 1)$
6 : $P_{1275} = (25, 6, 0, 1)$	28 : $P_{1810} = (16, 23, 0, 1)$	50 : $P_{3346} = (17, 7, 2, 1)$
7 : $P_{1279} = (29, 6, 0, 1)$	29 : $P_{1839} = (13, 24, 0, 1)$	51 : $P_{3363} = (2, 8, 2, 1)$
8 : $P_{1309} = (27, 7, 0, 1)$	30 : $P_{1878} = (20, 25, 0, 1)$	52 : $P_{3470} = (13, 11, 2, 1)$
9 : $P_{1341} = (27, 8, 0, 1)$	31 : $P_{1880} = (22, 25, 0, 1)$	53 : $P_{3498} = (9, 12, 2, 1)$
10 : $P_{1362} = (16, 9, 0, 1)$	32 : $P_{1884} = (26, 25, 0, 1)$	54 : $P_{3507} = (18, 12, 2, 1)$
11 : $P_{1380} = (2, 10, 0, 1)$	33 : $P_{1920} = (30, 26, 0, 1)$	55 : $P_{3509} = (20, 12, 2, 1)$
12 : $P_{1423} = (13, 11, 0, 1)$	34 : $P_{1947} = (25, 27, 0, 1)$	56 : $P_{3561} = (8, 14, 2, 1)$
13 : $P_{1456} = (14, 12, 0, 1)$	35 : $P_{1958} = (4, 28, 0, 1)$	57 : $P_{3577} = (24, 14, 2, 1)$
14 : $P_{1496} = (22, 13, 0, 1)$	36 : $P_{2003} = (17, 29, 0, 1)$	58 : $P_{3582} = (29, 14, 2, 1)$
15 : $P_{1510} = (4, 14, 0, 1)$	37 : $P_{2006} = (20, 29, 0, 1)$	59 : $P_{3589} = (4, 15, 2, 1)$
16 : $P_{1565} = (27, 15, 0, 1)$	38 : $P_{2011} = (25, 29, 0, 1)$	60 : $P_{3638} = (21, 16, 2, 1)$
17 : $P_{1599} = (29, 16, 0, 1)$	39 : $P_{2034} = (16, 30, 0, 1)$	61 : $P_{3643} = (26, 16, 2, 1)$
18 : $P_{1612} = (10, 17, 0, 1)$	40 : $P_{2052} = (2, 31, 0, 1)$	62 : $P_{3645} = (28, 16, 2, 1)$
19 : $P_{1638} = (4, 18, 0, 1)$	41 : $P_{3111} = (6, 0, 2, 1)$	63 : $P_{3676} = (27, 17, 2, 1)$
20 : $P_{1679} = (13, 19, 0, 1)$	42 : $P_{3183} = (14, 2, 2, 1)$	64 : $P_{3754} = (9, 20, 2, 1)$
21 : $P_{1703} = (5, 20, 0, 1)$	43 : $P_{3191} = (22, 2, 2, 1)$	65 : $P_{3758} = (13, 20, 2, 1)$

66 : $P_{3764} = (19, 20, 2, 1)$	120 : $P_{5597} = (28, 13, 4, 1)$	174 : $P_{7226} = (25, 0, 6, 1)$
67 : $P_{3843} = (2, 23, 2, 1)$	121 : $P_{5660} = (27, 15, 4, 1)$	175 : $P_{7230} = (29, 0, 6, 1)$
68 : $P_{3890} = (17, 24, 2, 1)$	122 : $P_{5685} = (20, 16, 4, 1)$	176 : $P_{7292} = (27, 2, 6, 1)$
69 : $P_{3946} = (9, 26, 2, 1)$	123 : $P_{5689} = (24, 16, 4, 1)$	177 : $P_{7300} = (3, 3, 6, 1)$
70 : $P_{3952} = (15, 26, 2, 1)$	124 : $P_{5690} = (25, 16, 4, 1)$	178 : $P_{7335} = (6, 4, 6, 1)$
71 : $P_{3968} = (31, 26, 2, 1)$	125 : $P_{5703} = (6, 17, 4, 1)$	179 : $P_{7337} = (8, 4, 6, 1)$
72 : $P_{3983} = (14, 27, 2, 1)$	126 : $P_{5813} = (20, 20, 4, 1)$	180 : $P_{7342} = (13, 4, 6, 1)$
73 : $P_{4011} = (10, 28, 2, 1)$	127 : $P_{5837} = (12, 21, 4, 1)$	181 : $P_{7364} = (3, 5, 6, 1)$
74 : $P_{4035} = (2, 29, 2, 1)$	128 : $P_{5861} = (4, 22, 4, 1)$	182 : $P_{7406} = (13, 6, 6, 1)$
75 : $P_{4046} = (13, 29, 2, 1)$	129 : $P_{5869} = (12, 22, 4, 1)$	183 : $P_{7510} = (21, 9, 6, 1)$
76 : $P_{4050} = (17, 29, 2, 1)$	130 : $P_{5884} = (27, 22, 4, 1)$	184 : $P_{7551} = (30, 10, 6, 1)$
77 : $P_{4148} = (19, 0, 3, 1)$	131 : $P_{5903} = (14, 23, 4, 1)$	185 : $P_{7584} = (31, 11, 6, 1)$
78 : $P_{4251} = (26, 3, 3, 1)$	132 : $P_{5925} = (4, 24, 4, 1)$	186 : $P_{7636} = (19, 13, 6, 1)$
79 : $P_{4292} = (3, 5, 3, 1)$	133 : $P_{5994} = (9, 26, 4, 1)$	187 : $P_{7719} = (6, 16, 6, 1)$
80 : $P_{4306} = (17, 5, 3, 1)$	134 : $P_{5996} = (11, 26, 4, 1)$	188 : $P_{7779} = (2, 18, 6, 1)$
81 : $P_{4310} = (21, 5, 3, 1)$	135 : $P_{6014} = (29, 26, 4, 1)$	189 : $P_{7783} = (6, 18, 6, 1)$
82 : $P_{4336} = (15, 6, 3, 1)$	136 : $P_{6089} = (8, 29, 4, 1)$	190 : $P_{7794} = (17, 18, 6, 1)$
83 : $P_{4344} = (23, 6, 3, 1)$	137 : $P_{6092} = (11, 29, 4, 1)$	191 : $P_{7833} = (24, 19, 6, 1)$
84 : $P_{4349} = (28, 6, 3, 1)$	138 : $P_{6108} = (27, 29, 4, 1)$	192 : $P_{7863} = (22, 20, 6, 1)$
85 : $P_{4397} = (12, 8, 3, 1)$	139 : $P_{6120} = (7, 30, 4, 1)$	193 : $P_{7896} = (23, 21, 6, 1)$
86 : $P_{4424} = (7, 9, 3, 1)$	140 : $P_{6123} = (10, 30, 4, 1)$	194 : $P_{7926} = (21, 22, 6, 1)$
87 : $P_{4438} = (21, 9, 3, 1)$	141 : $P_{6135} = (22, 30, 4, 1)$	195 : $P_{7931} = (26, 22, 6, 1)$
88 : $P_{4442} = (25, 9, 3, 1)$	142 : $P_{6161} = (16, 31, 4, 1)$	196 : $P_{7935} = (30, 22, 6, 1)$
89 : $P_{4469} = (20, 10, 3, 1)$	143 : $P_{6185} = (8, 0, 5, 1)$	197 : $P_{8019} = (18, 25, 6, 1)$
90 : $P_{4630} = (21, 15, 3, 1)$	144 : $P_{6265} = (24, 2, 5, 1)$	198 : $P_{8022} = (21, 25, 6, 1)$
91 : $P_{4660} = (19, 16, 3, 1)$	145 : $P_{6340} = (3, 5, 5, 1)$	199 : $P_{8026} = (25, 25, 6, 1)$
92 : $P_{4684} = (11, 17, 3, 1)$	146 : $P_{6410} = (9, 7, 5, 1)$	200 : $P_{8042} = (9, 26, 6, 1)$
93 : $P_{4712} = (7, 18, 3, 1)$	147 : $P_{6422} = (21, 7, 5, 1)$	201 : $P_{8043} = (10, 26, 6, 1)$
94 : $P_{4756} = (19, 19, 3, 1)$	148 : $P_{6432} = (31, 7, 5, 1)$	202 : $P_{8063} = (30, 26, 6, 1)$
95 : $P_{4761} = (24, 19, 3, 1)$	149 : $P_{6436} = (3, 8, 5, 1)$	203 : $P_{8094} = (29, 27, 6, 1)$
96 : $P_{4763} = (26, 19, 3, 1)$	150 : $P_{6440} = (7, 8, 5, 1)$	204 : $P_{8102} = (5, 28, 6, 1)$
97 : $P_{4809} = (8, 21, 3, 1)$	151 : $P_{6441} = (8, 8, 5, 1)$	205 : $P_{8158} = (29, 29, 6, 1)$
98 : $P_{4904} = (7, 24, 3, 1)$	152 : $P_{6486} = (21, 9, 5, 1)$	206 : $P_{8207} = (14, 31, 6, 1)$
99 : $P_{4912} = (15, 24, 3, 1)$	153 : $P_{6523} = (26, 10, 5, 1)$	207 : $P_{8208} = (15, 31, 6, 1)$
100 : $P_{4915} = (18, 24, 3, 1)$	154 : $P_{6535} = (6, 11, 5, 1)$	208 : $P_{8218} = (25, 31, 6, 1)$
101 : $P_{5016} = (23, 27, 3, 1)$	155 : $P_{6550} = (21, 11, 5, 1)$	209 : $P_{8252} = (27, 0, 7, 1)$
102 : $P_{5072} = (15, 29, 3, 1)$	156 : $P_{6557} = (28, 11, 5, 1)$	210 : $P_{8350} = (29, 3, 7, 1)$
103 : $P_{5094} = (5, 30, 3, 1)$	157 : $P_{6576} = (15, 12, 5, 1)$	211 : $P_{8404} = (19, 5, 7, 1)$
104 : $P_{5103} = (14, 30, 3, 1)$	158 : $P_{6601} = (8, 13, 5, 1)$	212 : $P_{8465} = (16, 7, 7, 1)$
105 : $P_{5112} = (23, 30, 3, 1)$	159 : $P_{6654} = (29, 14, 5, 1)$	213 : $P_{8544} = (31, 9, 7, 1)$
106 : $P_{5137} = (16, 31, 3, 1)$	160 : $P_{6726} = (5, 17, 5, 1)$	214 : $P_{8574} = (29, 10, 7, 1)$
107 : $P_{5173} = (20, 0, 4, 1)$	161 : $P_{6733} = (12, 17, 5, 1)$	215 : $P_{8601} = (24, 11, 7, 1)$
108 : $P_{5247} = (30, 2, 4, 1)$	162 : $P_{6749} = (28, 17, 5, 1)$	216 : $P_{8658} = (17, 13, 7, 1)$
109 : $P_{5260} = (11, 3, 4, 1)$	163 : $P_{6766} = (13, 18, 5, 1)$	217 : $P_{8675} = (2, 14, 7, 1)$
110 : $P_{5267} = (18, 3, 4, 1)$	164 : $P_{6802} = (17, 19, 5, 1)$	218 : $P_{8696} = (23, 14, 7, 1)$
111 : $P_{5280} = (31, 3, 4, 1)$	165 : $P_{6809} = (24, 19, 5, 1)$	219 : $P_{8702} = (29, 14, 7, 1)$
112 : $P_{5287} = (6, 4, 4, 1)$	166 : $P_{6815} = (30, 19, 5, 1)$	220 : $P_{8716} = (11, 15, 7, 1)$
113 : $P_{5306} = (25, 4, 4, 1)$	167 : $P_{6840} = (23, 20, 5, 1)$	221 : $P_{8740} = (3, 16, 7, 1)$
114 : $P_{5311} = (30, 4, 4, 1)$	168 : $P_{6841} = (24, 20, 5, 1)$	222 : $P_{8793} = (24, 17, 7, 1)$
115 : $P_{5389} = (12, 7, 4, 1)$	169 : $P_{6848} = (31, 20, 5, 1)$	223 : $P_{8876} = (11, 20, 7, 1)$
116 : $P_{5477} = (4, 10, 4, 1)$	170 : $P_{6912} = (31, 22, 5, 1)$	224 : $P_{8928} = (31, 21, 7, 1)$
117 : $P_{5539} = (2, 12, 4, 1)$	171 : $P_{7083} = (10, 28, 5, 1)$	225 : $P_{8947} = (18, 22, 7, 1)$
118 : $P_{5572} = (3, 13, 4, 1)$	172 : $P_{7197} = (28, 31, 5, 1)$	226 : $P_{9006} = (13, 24, 7, 1)$
119 : $P_{5592} = (23, 13, 4, 1)$	173 : $P_{7204} = (3, 0, 6, 1)$	227 : $P_{9114} = (25, 27, 7, 1)$

228 : $P_{9116} = (27, 27, 7, 1)$	282 : $P_{10851} = (2, 18, 9, 1)$	336 : $P_{12933} = (4, 19, 11, 1)$
229 : $P_{9120} = (31, 27, 7, 1)$	283 : $P_{10904} = (23, 19, 9, 1)$	337 : $P_{12998} = (5, 21, 11, 1)$
230 : $P_{9131} = (10, 28, 7, 1)$	284 : $P_{10976} = (31, 21, 9, 1)$	338 : $P_{13002} = (9, 21, 11, 1)$
231 : $P_{9132} = (11, 28, 7, 1)$	285 : $P_{10988} = (11, 22, 9, 1)$	339 : $P_{13012} = (19, 21, 11, 1)$
232 : $P_{9148} = (27, 28, 7, 1)$	286 : $P_{11029} = (20, 23, 9, 1)$	340 : $P_{13118} = (29, 24, 11, 1)$
233 : $P_{9177} = (24, 29, 7, 1)$	287 : $P_{11069} = (28, 24, 9, 1)$	341 : $P_{13136} = (15, 25, 11, 1)$
234 : $P_{9233} = (16, 31, 7, 1)$	288 : $P_{11089} = (16, 25, 9, 1)$	342 : $P_{13171} = (18, 26, 11, 1)$
235 : $P_{9276} = (27, 0, 8, 1)$	289 : $P_{11134} = (29, 26, 9, 1)$	343 : $P_{13191} = (6, 27, 11, 1)$
236 : $P_{9328} = (15, 2, 8, 1)$	290 : $P_{11235} = (2, 30, 9, 1)$	344 : $P_{13235} = (18, 28, 11, 1)$
237 : $P_{9337} = (24, 2, 8, 1)$	291 : $P_{11299} = (2, 0, 10, 1)$	345 : $P_{13288} = (7, 30, 11, 1)$
238 : $P_{9341} = (28, 2, 8, 1)$	292 : $P_{11363} = (2, 2, 10, 1)$	346 : $P_{13340} = (27, 31, 11, 1)$
239 : $P_{9363} = (18, 3, 8, 1)$	293 : $P_{11424} = (31, 3, 10, 1)$	347 : $P_{13359} = (14, 0, 12, 1)$
240 : $P_{9400} = (23, 4, 8, 1)$	294 : $P_{11432} = (7, 4, 10, 1)$	348 : $P_{13423} = (14, 2, 12, 1)$
241 : $P_{9443} = (2, 6, 8, 1)$	295 : $P_{11448} = (23, 4, 10, 1)$	349 : $P_{13459} = (18, 3, 12, 1)$
242 : $P_{9462} = (21, 6, 8, 1)$	296 : $P_{11456} = (31, 4, 10, 1)$	350 : $P_{13546} = (9, 6, 12, 1)$
243 : $P_{9465} = (24, 6, 8, 1)$	297 : $P_{11466} = (9, 5, 10, 1)$	351 : $P_{13657} = (24, 9, 12, 1)$
244 : $P_{9507} = (2, 8, 8, 1)$	298 : $P_{11514} = (25, 6, 10, 1)$	352 : $P_{13673} = (8, 10, 12, 1)$
245 : $P_{9644} = (11, 12, 8, 1)$	299 : $P_{11536} = (15, 7, 10, 1)$	353 : $P_{13686} = (21, 10, 12, 1)$
246 : $P_{9655} = (22, 12, 8, 1)$	300 : $P_{11555} = (2, 8, 10, 1)$	354 : $P_{13691} = (26, 10, 12, 1)$
247 : $P_{9657} = (24, 12, 8, 1)$	301 : $P_{11579} = (26, 8, 10, 1)$	355 : $P_{13699} = (2, 11, 12, 1)$
248 : $P_{9673} = (8, 13, 8, 1)$	302 : $P_{11580} = (27, 8, 10, 1)$	356 : $P_{13746} = (17, 12, 12, 1)$
249 : $P_{9727} = (30, 14, 8, 1)$	303 : $P_{11603} = (18, 9, 10, 1)$	357 : $P_{13807} = (14, 14, 12, 1)$
250 : $P_{9776} = (15, 16, 8, 1)$	304 : $P_{11621} = (4, 10, 10, 1)$	358 : $P_{13810} = (17, 14, 12, 1)$
251 : $P_{9856} = (31, 18, 8, 1)$	305 : $P_{11744} = (31, 13, 10, 1)$	359 : $P_{13821} = (28, 14, 12, 1)$
252 : $P_{9869} = (12, 19, 8, 1)$	306 : $P_{11833} = (24, 16, 10, 1)$	360 : $P_{13848} = (23, 15, 12, 1)$
253 : $P_{9870} = (13, 19, 8, 1)$	307 : $P_{11941} = (4, 20, 10, 1)$	361 : $P_{13878} = (21, 16, 12, 1)$
254 : $P_{9884} = (27, 19, 8, 1)$	308 : $P_{11944} = (7, 20, 10, 1)$	362 : $P_{13978} = (25, 19, 12, 1)$
255 : $P_{9914} = (25, 20, 8, 1)$	309 : $P_{11965} = (28, 20, 10, 1)$	363 : $P_{14056} = (7, 22, 12, 1)$
256 : $P_{9931} = (10, 21, 8, 1)$	310 : $P_{12018} = (17, 22, 10, 1)$	364 : $P_{14058} = (9, 22, 12, 1)$
257 : $P_{10028} = (11, 24, 8, 1)$	311 : $P_{12022} = (21, 22, 10, 1)$	365 : $P_{14070} = (21, 22, 12, 1)$
258 : $P_{10071} = (22, 25, 8, 1)$	312 : $P_{12026} = (25, 22, 10, 1)$	366 : $P_{14143} = (30, 24, 12, 1)$
259 : $P_{10096} = (15, 26, 8, 1)$	313 : $P_{12048} = (15, 23, 10, 1)$	367 : $P_{14180} = (3, 26, 12, 1)$
260 : $P_{10140} = (27, 27, 8, 1)$	314 : $P_{12136} = (7, 26, 10, 1)$	368 : $P_{14189} = (12, 26, 12, 1)$
261 : $P_{10156} = (11, 28, 8, 1)$	315 : $P_{12144} = (15, 26, 10, 1)$	369 : $P_{14201} = (24, 26, 12, 1)$
262 : $P_{10182} = (5, 29, 8, 1)$	316 : $P_{12154} = (25, 26, 10, 1)$	370 : $P_{14250} = (9, 28, 12, 1)$
263 : $P_{10184} = (7, 29, 8, 1)$	317 : $P_{12171} = (10, 27, 10, 1)$	371 : $P_{14256} = (15, 28, 12, 1)$
264 : $P_{10199} = (22, 29, 8, 1)$	318 : $P_{12207} = (14, 28, 10, 1)$	372 : $P_{14264} = (23, 28, 12, 1)$
265 : $P_{10289} = (16, 0, 9, 1)$	319 : $P_{12231} = (6, 29, 10, 1)$	373 : $P_{14310} = (5, 30, 12, 1)$
266 : $P_{10435} = (2, 5, 9, 1)$	320 : $P_{12276} = (19, 30, 10, 1)$	374 : $P_{14360} = (23, 31, 12, 1)$
267 : $P_{10500} = (3, 7, 9, 1)$	321 : $P_{12334} = (13, 0, 11, 1)$	375 : $P_{14361} = (24, 31, 12, 1)$
268 : $P_{10515} = (18, 7, 9, 1)$	322 : $P_{12439} = (22, 3, 11, 1)$	376 : $P_{14366} = (29, 31, 12, 1)$
269 : $P_{10527} = (30, 7, 9, 1)$	323 : $P_{12526} = (13, 6, 11, 1)$	377 : $P_{14391} = (22, 0, 13, 1)$
270 : $P_{10581} = (20, 9, 9, 1)$	324 : $P_{12568} = (23, 7, 11, 1)$	378 : $P_{14440} = (7, 2, 13, 1)$
271 : $P_{10608} = (15, 10, 9, 1)$	325 : $P_{12601} = (24, 8, 11, 1)$	379 : $P_{14450} = (17, 2, 13, 1)$
272 : $P_{10616} = (23, 10, 9, 1)$	326 : $P_{12613} = (4, 9, 11, 1)$	380 : $P_{14457} = (24, 2, 13, 1)$
273 : $P_{10619} = (26, 10, 9, 1)$	327 : $P_{12702} = (29, 11, 11, 1)$	381 : $P_{14481} = (16, 3, 13, 1)$
274 : $P_{10642} = (17, 11, 9, 1)$	328 : $P_{12750} = (13, 13, 11, 1)$	382 : $P_{14544} = (15, 5, 13, 1)$
275 : $P_{10688} = (31, 12, 9, 1)$	329 : $P_{12755} = (18, 13, 11, 1)$	383 : $P_{14554} = (25, 5, 13, 1)$
276 : $P_{10714} = (25, 13, 9, 1)$	330 : $P_{12761} = (24, 13, 11, 1)$	384 : $P_{14560} = (31, 5, 13, 1)$
277 : $P_{10745} = (24, 14, 9, 1)$	331 : $P_{12772} = (3, 14, 11, 1)$	385 : $P_{14564} = (3, 6, 13, 1)$
278 : $P_{10766} = (13, 15, 9, 1)$	332 : $P_{12793} = (24, 14, 11, 1)$	386 : $P_{14565} = (4, 6, 13, 1)$
279 : $P_{10801} = (16, 16, 9, 1)$	333 : $P_{12800} = (31, 14, 11, 1)$	387 : $P_{14574} = (13, 6, 13, 1)$
280 : $P_{10808} = (23, 16, 9, 1)$	334 : $P_{12813} = (12, 15, 11, 1)$	388 : $P_{14612} = (19, 7, 13, 1)$
281 : $P_{10816} = (31, 16, 9, 1)$	335 : $P_{12869} = (4, 17, 11, 1)$	389 : $P_{14631} = (6, 8, 13, 1)$

390 : $P_{14653} = (28, 8, 13, 1)$	444 : $P_{16501} = (20, 2, 15, 1)$	498 : $P_{18277} = (4, 26, 16, 1)$
391 : $P_{14655} = (30, 8, 13, 1)$	445 : $P_{16522} = (9, 3, 15, 1)$	499 : $P_{18310} = (5, 27, 16, 1)$
392 : $P_{14684} = (27, 9, 13, 1)$	446 : $P_{16602} = (25, 5, 15, 1)$	500 : $P_{18328} = (23, 27, 16, 1)$
393 : $P_{14793} = (8, 13, 13, 1)$	447 : $P_{16640} = (31, 6, 15, 1)$	501 : $P_{18329} = (24, 27, 16, 1)$
394 : $P_{14805} = (20, 13, 13, 1)$	448 : $P_{16663} = (22, 7, 15, 1)$	502 : $P_{18363} = (26, 28, 16, 1)$
395 : $P_{14814} = (29, 13, 13, 1)$	449 : $P_{16689} = (16, 8, 15, 1)$	503 : $P_{18398} = (29, 29, 16, 1)$
396 : $P_{14889} = (8, 16, 13, 1)$	450 : $P_{16744} = (7, 10, 15, 1)$	504 : $P_{18435} = (2, 31, 16, 1)$
397 : $P_{14922} = (9, 17, 13, 1)$	451 : $P_{16785} = (16, 11, 15, 1)$	505 : $P_{18475} = (10, 0, 17, 1)$
398 : $P_{14924} = (11, 17, 13, 1)$	452 : $P_{16817} = (16, 12, 15, 1)$	506 : $P_{18600} = (7, 4, 17, 1)$
399 : $P_{14944} = (31, 17, 13, 1)$	453 : $P_{16919} = (22, 15, 15, 1)$	507 : $P_{18728} = (7, 8, 17, 1)$
400 : $P_{14949} = (4, 18, 13, 1)$	454 : $P_{16995} = (2, 18, 15, 1)$	508 : $P_{18733} = (12, 8, 17, 1)$
401 : $P_{15054} = (13, 21, 13, 1)$	455 : $P_{17046} = (21, 19, 15, 1)$	509 : $P_{18740} = (19, 8, 17, 1)$
402 : $P_{15095} = (22, 22, 13, 1)$	456 : $P_{17084} = (27, 20, 15, 1)$	510 : $P_{18780} = (27, 9, 17, 1)$
403 : $P_{15108} = (3, 23, 13, 1)$	457 : $P_{17113} = (24, 21, 15, 1)$	511 : $P_{18790} = (5, 10, 17, 1)$
404 : $P_{15173} = (4, 25, 13, 1)$	458 : $P_{17162} = (9, 23, 15, 1)$	512 : $P_{18795} = (10, 10, 17, 1)$
405 : $P_{15183} = (14, 25, 13, 1)$	459 : $P_{17288} = (7, 27, 15, 1)$	513 : $P_{18806} = (21, 10, 17, 1)$
406 : $P_{15200} = (31, 25, 13, 1)$	460 : $P_{17290} = (9, 27, 15, 1)$	514 : $P_{18845} = (28, 11, 17, 1)$
407 : $P_{15230} = (29, 26, 13, 1)$	461 : $P_{17308} = (27, 27, 15, 1)$	515 : $P_{18866} = (17, 12, 17, 1)$
408 : $P_{15253} = (20, 27, 13, 1)$	462 : $P_{17321} = (8, 28, 15, 1)$	516 : $P_{18872} = (23, 12, 17, 1)$
409 : $P_{15254} = (21, 27, 13, 1)$	463 : $P_{17324} = (11, 28, 15, 1)$	517 : $P_{18875} = (26, 12, 17, 1)$
410 : $P_{15255} = (22, 27, 13, 1)$	464 : $P_{17330} = (17, 28, 15, 1)$	518 : $P_{18916} = (3, 14, 17, 1)$
411 : $P_{15268} = (3, 28, 13, 1)$	465 : $P_{17382} = (5, 30, 15, 1)$	519 : $P_{18965} = (20, 15, 17, 1)$
412 : $P_{15342} = (13, 30, 13, 1)$	466 : $P_{17384} = (7, 30, 15, 1)$	520 : $P_{18968} = (23, 15, 17, 1)$
413 : $P_{15397} = (4, 0, 14, 1)$	467 : $P_{17395} = (18, 30, 15, 1)$	521 : $P_{18973} = (28, 15, 17, 1)$
414 : $P_{15471} = (14, 2, 14, 1)$	468 : $P_{17435} = (26, 31, 15, 1)$	522 : $P_{19014} = (5, 17, 17, 1)$
415 : $P_{15495} = (6, 3, 14, 1)$	469 : $P_{17470} = (29, 0, 16, 1)$	523 : $P_{19064} = (23, 18, 17, 1)$
416 : $P_{15510} = (21, 3, 14, 1)$	470 : $P_{17548} = (11, 3, 16, 1)$	524 : $P_{19148} = (11, 21, 17, 1)$
417 : $P_{15520} = (31, 3, 14, 1)$	471 : $P_{17552} = (15, 3, 16, 1)$	525 : $P_{19155} = (18, 21, 17, 1)$
418 : $P_{15525} = (4, 4, 14, 1)$	472 : $P_{17559} = (22, 3, 16, 1)$	526 : $P_{19165} = (28, 21, 17, 1)$
419 : $P_{15571} = (18, 5, 14, 1)$	473 : $P_{17588} = (19, 4, 16, 1)$	527 : $P_{19215} = (14, 23, 17, 1)$
420 : $P_{15715} = (2, 10, 14, 1)$	474 : $P_{17610} = (9, 5, 16, 1)$	528 : $P_{19283} = (18, 25, 17, 1)$
421 : $P_{15716} = (3, 10, 14, 1)$	475 : $P_{17616} = (15, 5, 16, 1)$	529 : $P_{19328} = (31, 26, 17, 1)$
422 : $P_{15717} = (4, 10, 14, 1)$	476 : $P_{17619} = (18, 5, 16, 1)$	530 : $P_{19339} = (10, 27, 17, 1)$
423 : $P_{15754} = (9, 11, 14, 1)$	477 : $P_{17681} = (16, 7, 16, 1)$	531 : $P_{19400} = (7, 29, 17, 1)$
424 : $P_{15816} = (7, 13, 14, 1)$	478 : $P_{17845} = (20, 12, 16, 1)$	532 : $P_{19411} = (18, 29, 17, 1)$
425 : $P_{15857} = (16, 14, 14, 1)$	479 : $P_{17863} = (6, 13, 16, 1)$	533 : $P_{19417} = (24, 29, 17, 1)$
426 : $P_{15923} = (18, 16, 14, 1)$	480 : $P_{17864} = (7, 13, 16, 1)$	534 : $P_{19447} = (22, 30, 17, 1)$
427 : $P_{15926} = (21, 16, 14, 1)$	481 : $P_{17886} = (29, 13, 16, 1)$	535 : $P_{19493} = (4, 0, 18, 1)$
428 : $P_{15929} = (24, 16, 14, 1)$	482 : $P_{17905} = (16, 14, 16, 1)$	536 : $P_{19612} = (27, 3, 18, 1)$
429 : $P_{15948} = (11, 17, 14, 1)$	483 : $P_{17959} = (6, 16, 16, 1)$	537 : $P_{19621} = (4, 4, 18, 1)$
430 : $P_{16009} = (8, 19, 14, 1)$	484 : $P_{17972} = (19, 16, 16, 1)$	538 : $P_{19632} = (15, 4, 18, 1)$
431 : $P_{16039} = (6, 20, 14, 1)$	485 : $P_{17973} = (20, 16, 16, 1)$	539 : $P_{19645} = (28, 4, 18, 1)$
432 : $P_{16096} = (31, 21, 14, 1)$	486 : $P_{18030} = (13, 18, 16, 1)$	540 : $P_{19728} = (15, 7, 18, 1)$
433 : $P_{16117} = (20, 22, 14, 1)$	487 : $P_{18063} = (14, 19, 16, 1)$	541 : $P_{19756} = (11, 8, 18, 1)$
434 : $P_{16159} = (30, 23, 14, 1)$	488 : $P_{18070} = (21, 19, 16, 1)$	542 : $P_{19757} = (12, 8, 18, 1)$
435 : $P_{16192} = (31, 24, 14, 1)$	489 : $P_{18074} = (25, 19, 16, 1)$	543 : $P_{19773} = (28, 8, 18, 1)$
436 : $P_{16199} = (6, 25, 14, 1)$	490 : $P_{18139} = (26, 21, 16, 1)$	544 : $P_{19782} = (5, 9, 18, 1)$
437 : $P_{16205} = (12, 25, 14, 1)$	491 : $P_{18147} = (2, 22, 16, 1)$	545 : $P_{19832} = (23, 10, 18, 1)$
438 : $P_{16221} = (28, 25, 14, 1)$	492 : $P_{18155} = (10, 22, 16, 1)$	546 : $P_{19857} = (16, 11, 18, 1)$
439 : $P_{16275} = (18, 27, 14, 1)$	493 : $P_{18160} = (15, 22, 16, 1)$	547 : $P_{19893} = (20, 12, 18, 1)$
440 : $P_{16337} = (16, 29, 14, 1)$	494 : $P_{18239} = (30, 24, 16, 1)$	548 : $P_{19964} = (27, 14, 18, 1)$
441 : $P_{16342} = (21, 29, 14, 1)$	495 : $P_{18243} = (2, 25, 16, 1)$	549 : $P_{20023} = (22, 16, 18, 1)$
442 : $P_{16344} = (23, 29, 14, 1)$	496 : $P_{18257} = (16, 25, 16, 1)$	550 : $P_{20048} = (15, 17, 18, 1)$
443 : $P_{16444} = (27, 0, 15, 1)$	497 : $P_{18267} = (26, 25, 16, 1)$	551 : $P_{20071} = (6, 18, 18, 1)$

552 : $P_{20197} = (4, 22, 18, 1)$	606 : $P_{21845} = (20, 9, 20, 1)$	660 : $P_{23945} = (8, 11, 22, 1)$
553 : $P_{20246} = (21, 23, 18, 1)$	607 : $P_{21917} = (28, 11, 20, 1)$	661 : $P_{23946} = (9, 11, 22, 1)$
554 : $P_{20271} = (14, 24, 18, 1)$	608 : $P_{21973} = (20, 13, 20, 1)$	662 : $P_{23966} = (29, 11, 22, 1)$
555 : $P_{20283} = (26, 24, 18, 1)$	609 : $P_{22004} = (19, 14, 20, 1)$	663 : $P_{23981} = (12, 12, 22, 1)$
556 : $P_{20288} = (31, 24, 18, 1)$	610 : $P_{22035} = (18, 15, 20, 1)$	664 : $P_{24017} = (16, 13, 22, 1)$
557 : $P_{20391} = (6, 28, 18, 1)$	611 : $P_{22059} = (10, 16, 20, 1)$	665 : $P_{24061} = (28, 14, 22, 1)$
558 : $P_{20426} = (9, 29, 18, 1)$	612 : $P_{22069} = (20, 16, 20, 1)$	666 : $P_{24068} = (3, 15, 22, 1)$
559 : $P_{20477} = (28, 30, 18, 1)$	613 : $P_{22076} = (27, 16, 20, 1)$	667 : $P_{24078} = (13, 15, 22, 1)$
560 : $P_{20508} = (27, 31, 18, 1)$	614 : $P_{22086} = (5, 17, 20, 1)$	668 : $P_{24087} = (22, 15, 22, 1)$
561 : $P_{20526} = (13, 0, 19, 1)$	615 : $P_{22119} = (6, 18, 20, 1)$	669 : $P_{24103} = (6, 16, 22, 1)$
562 : $P_{20605} = (28, 2, 19, 1)$	616 : $P_{22143} = (30, 18, 20, 1)$	670 : $P_{24139} = (10, 17, 22, 1)$
563 : $P_{20652} = (11, 4, 19, 1)$	617 : $P_{22144} = (31, 18, 20, 1)$	671 : $P_{24148} = (19, 17, 22, 1)$
564 : $P_{20727} = (22, 6, 19, 1)$	618 : $P_{22204} = (27, 20, 20, 1)$	672 : $P_{24160} = (31, 17, 22, 1)$
565 : $P_{20745} = (8, 7, 19, 1)$	619 : $P_{22263} = (22, 22, 20, 1)$	673 : $P_{24172} = (11, 18, 22, 1)$
566 : $P_{20847} = (14, 10, 19, 1)$	620 : $P_{22290} = (17, 23, 20, 1)$	674 : $P_{24203} = (10, 19, 22, 1)$
567 : $P_{20908} = (11, 12, 19, 1)$	621 : $P_{22340} = (3, 25, 20, 1)$	675 : $P_{24235} = (10, 20, 22, 1)$
568 : $P_{20942} = (13, 13, 19, 1)$	622 : $P_{22356} = (19, 25, 20, 1)$	676 : $P_{24242} = (17, 20, 22, 1)$
569 : $P_{21044} = (19, 16, 19, 1)$	623 : $P_{22365} = (28, 25, 20, 1)$	677 : $P_{24249} = (24, 20, 22, 1)$
570 : $P_{21066} = (9, 17, 19, 1)$	624 : $P_{22409} = (8, 27, 20, 1)$	678 : $P_{24293} = (4, 22, 22, 1)$
571 : $P_{21080} = (23, 17, 19, 1)$	625 : $P_{22457} = (24, 28, 20, 1)$	679 : $P_{24374} = (21, 24, 22, 1)$
572 : $P_{21086} = (29, 17, 19, 1)$	626 : $P_{22490} = (25, 29, 20, 1)$	680 : $P_{24405} = (20, 25, 22, 1)$
573 : $P_{21148} = (27, 19, 19, 1)$	627 : $P_{22563} = (2, 0, 21, 1)$	681 : $P_{24429} = (12, 26, 22, 1)$
574 : $P_{21156} = (3, 20, 19, 1)$	628 : $P_{22627} = (2, 2, 21, 1)$	682 : $P_{24453} = (4, 27, 22, 1)$
575 : $P_{21177} = (24, 20, 19, 1)$	629 : $P_{22631} = (6, 2, 21, 1)$	683 : $P_{24471} = (22, 27, 22, 1)$
576 : $P_{21182} = (29, 20, 19, 1)$	630 : $P_{22643} = (18, 2, 21, 1)$	684 : $P_{24479} = (30, 27, 22, 1)$
577 : $P_{21194} = (9, 21, 19, 1)$	631 : $P_{22743} = (22, 5, 21, 1)$	685 : $P_{24528} = (15, 29, 22, 1)$
578 : $P_{21246} = (29, 22, 19, 1)$	632 : $P_{22812} = (27, 7, 21, 1)$	686 : $P_{24537} = (24, 29, 22, 1)$
579 : $P_{21258} = (9, 23, 19, 1)$	633 : $P_{22931} = (18, 11, 21, 1)$	687 : $P_{24542} = (29, 29, 22, 1)$
580 : $P_{21320} = (7, 25, 19, 1)$	634 : $P_{22952} = (7, 12, 21, 1)$	688 : $P_{24601} = (24, 31, 22, 1)$
581 : $P_{21336} = (23, 25, 19, 1)$	635 : $P_{22982} = (5, 13, 21, 1)$	689 : $P_{24625} = (16, 0, 23, 1)$
582 : $P_{21340} = (27, 25, 19, 1)$	636 : $P_{23031} = (22, 14, 21, 1)$	690 : $P_{24685} = (12, 2, 23, 1)$
583 : $P_{21376} = (31, 26, 19, 1)$	637 : $P_{23048} = (7, 15, 21, 1)$	691 : $P_{24733} = (28, 3, 23, 1)$
584 : $P_{21388} = (11, 27, 19, 1)$	638 : $P_{23113} = (8, 17, 21, 1)$	692 : $P_{24740} = (3, 4, 23, 1)$
585 : $P_{21398} = (21, 27, 19, 1)$	639 : $P_{23150} = (13, 18, 21, 1)$	693 : $P_{24829} = (28, 6, 23, 1)$
586 : $P_{21400} = (23, 27, 19, 1)$	640 : $P_{23246} = (13, 21, 21, 1)$	694 : $P_{24849} = (16, 7, 23, 1)$
587 : $P_{21486} = (13, 30, 19, 1)$	641 : $P_{23272} = (7, 22, 21, 1)$	695 : $P_{24851} = (18, 7, 23, 1)$
588 : $P_{21489} = (16, 30, 19, 1)$	642 : $P_{23299} = (2, 23, 21, 1)$	696 : $P_{24852} = (19, 7, 23, 1)$
589 : $P_{21490} = (17, 30, 19, 1)$	643 : $P_{23311} = (14, 23, 21, 1)$	697 : $P_{24871} = (6, 8, 23, 1)$
590 : $P_{21520} = (15, 31, 19, 1)$	644 : $P_{23312} = (15, 23, 21, 1)$	698 : $P_{24878} = (13, 8, 23, 1)$
591 : $P_{21542} = (5, 0, 20, 1)$	645 : $P_{23370} = (9, 25, 21, 1)$	699 : $P_{24886} = (21, 8, 23, 1)$
592 : $P_{21543} = (6, 0, 20, 1)$	646 : $P_{23437} = (12, 27, 21, 1)$	700 : $P_{24915} = (18, 9, 23, 1)$
593 : $P_{21559} = (22, 0, 20, 1)$	647 : $P_{23475} = (18, 28, 21, 1)$	701 : $P_{24963} = (2, 11, 23, 1)$
594 : $P_{21623} = (22, 2, 20, 1)$	648 : $P_{23504} = (15, 29, 21, 1)$	702 : $P_{24999} = (6, 12, 23, 1)$
595 : $P_{21644} = (11, 3, 20, 1)$	649 : $P_{23525} = (4, 30, 21, 1)$	703 : $P_{25132} = (11, 16, 23, 1)$
596 : $P_{21647} = (14, 3, 20, 1)$	650 : $P_{23543} = (22, 30, 21, 1)$	704 : $P_{25137} = (16, 16, 23, 1)$
597 : $P_{21652} = (19, 3, 20, 1)$	651 : $P_{23545} = (24, 30, 21, 1)$	705 : $P_{25150} = (29, 16, 23, 1)$
598 : $P_{21667} = (2, 4, 20, 1)$	652 : $P_{23568} = (15, 31, 21, 1)$	706 : $P_{25213} = (28, 18, 23, 1)$
599 : $P_{21702} = (5, 5, 20, 1)$	653 : $P_{23591} = (6, 0, 22, 1)$	707 : $P_{25223} = (6, 19, 23, 1)$
600 : $P_{21735} = (6, 6, 20, 1)$	654 : $P_{23597} = (12, 0, 22, 1)$	708 : $P_{25264} = (15, 20, 23, 1)$
601 : $P_{21738} = (9, 6, 20, 1)$	655 : $P_{23614} = (29, 0, 22, 1)$	709 : $P_{25347} = (2, 23, 23, 1)$
602 : $P_{21757} = (28, 6, 20, 1)$	656 : $P_{23671} = (22, 2, 22, 1)$	710 : $P_{25388} = (11, 24, 23, 1)$
603 : $P_{21800} = (7, 8, 20, 1)$	657 : $P_{23727} = (14, 4, 22, 1)$	711 : $P_{25427} = (18, 25, 23, 1)$
604 : $P_{21829} = (4, 9, 20, 1)$	658 : $P_{23783} = (6, 6, 22, 1)$	712 : $P_{25455} = (14, 26, 23, 1)$
605 : $P_{21837} = (12, 9, 20, 1)$	659 : $P_{23835} = (26, 7, 22, 1)$	713 : $P_{25509} = (4, 28, 23, 1)$

714 : $P_{25612} = (11, 31, 23, 1)$	768 : $P_{27515} = (26, 26, 25, 1)$	822 : $P_{29048} = (23, 10, 27, 1)$
715 : $P_{25646} = (13, 0, 24, 1)$	769 : $P_{27534} = (13, 27, 25, 1)$	823 : $P_{29059} = (2, 11, 27, 1)$
716 : $P_{25759} = (30, 3, 24, 1)$	770 : $P_{27592} = (7, 29, 25, 1)$	824 : $P_{29100} = (11, 12, 27, 1)$
717 : $P_{25787} = (26, 4, 24, 1)$	771 : $P_{27597} = (12, 29, 25, 1)$	825 : $P_{29104} = (15, 12, 27, 1)$
718 : $P_{25816} = (23, 5, 24, 1)$	772 : $P_{27599} = (14, 29, 25, 1)$	826 : $P_{29107} = (18, 12, 27, 1)$
719 : $P_{25834} = (9, 6, 24, 1)$	773 : $P_{27640} = (23, 30, 25, 1)$	827 : $P_{29131} = (10, 13, 27, 1)$
720 : $P_{25872} = (15, 7, 24, 1)$	774 : $P_{27654} = (5, 31, 25, 1)$	828 : $P_{29255} = (6, 17, 27, 1)$
721 : $P_{25909} = (20, 8, 24, 1)$	775 : $P_{27674} = (25, 31, 25, 1)$	829 : $P_{29267} = (18, 17, 27, 1)$
722 : $P_{25944} = (23, 9, 24, 1)$	776 : $P_{27676} = (27, 31, 25, 1)$	830 : $P_{29280} = (31, 17, 27, 1)$
723 : $P_{25973} = (20, 10, 24, 1)$	777 : $P_{27711} = (30, 0, 26, 1)$	831 : $P_{29340} = (27, 19, 27, 1)$
724 : $P_{25980} = (27, 10, 24, 1)$	778 : $P_{27782} = (5, 3, 26, 1)$	832 : $P_{29350} = (5, 20, 27, 1)$
725 : $P_{25981} = (28, 10, 24, 1)$	779 : $P_{27784} = (7, 3, 26, 1)$	833 : $P_{29361} = (16, 20, 27, 1)$
726 : $P_{25994} = (9, 11, 24, 1)$	780 : $P_{27803} = (26, 3, 26, 1)$	834 : $P_{29372} = (27, 20, 27, 1)$
727 : $P_{26062} = (13, 13, 24, 1)$	781 : $P_{27839} = (30, 4, 26, 1)$	835 : $P_{29385} = (8, 21, 27, 1)$
728 : $P_{26064} = (15, 13, 24, 1)$	782 : $P_{27850} = (9, 5, 26, 1)$	836 : $P_{29446} = (5, 23, 27, 1)$
729 : $P_{26071} = (22, 13, 24, 1)$	783 : $P_{27924} = (19, 7, 26, 1)$	837 : $P_{29478} = (5, 24, 27, 1)$
730 : $P_{26117} = (4, 15, 24, 1)$	784 : $P_{27943} = (6, 8, 26, 1)$	838 : $P_{29530} = (25, 25, 27, 1)$
731 : $P_{26150} = (5, 16, 24, 1)$	785 : $P_{28040} = (7, 11, 26, 1)$	839 : $P_{29579} = (10, 27, 27, 1)$
732 : $P_{26224} = (15, 18, 24, 1)$	786 : $P_{28125} = (28, 13, 26, 1)$	840 : $P_{29591} = (22, 27, 27, 1)$
733 : $P_{26296} = (23, 20, 24, 1)$	787 : $P_{28132} = (3, 14, 26, 1)$	841 : $P_{29598} = (29, 27, 27, 1)$
734 : $P_{26313} = (8, 21, 24, 1)$	788 : $P_{28139} = (10, 14, 26, 1)$	842 : $P_{29628} = (27, 28, 27, 1)$
735 : $P_{26314} = (9, 21, 24, 1)$	789 : $P_{28157} = (28, 14, 26, 1)$	843 : $P_{29733} = (4, 0, 28, 1)$
736 : $P_{26318} = (13, 21, 24, 1)$	790 : $P_{28165} = (4, 15, 26, 1)$	844 : $P_{29819} = (26, 2, 28, 1)$
737 : $P_{26385} = (16, 23, 24, 1)$	791 : $P_{28264} = (7, 18, 26, 1)$	845 : $P_{29861} = (4, 4, 28, 1)$
738 : $P_{26405} = (4, 24, 24, 1)$	792 : $P_{28279} = (22, 18, 26, 1)$	846 : $P_{29866} = (9, 4, 28, 1)$
739 : $P_{26485} = (20, 26, 24, 1)$	793 : $P_{28281} = (24, 18, 26, 1)$	847 : $P_{29877} = (20, 4, 28, 1)$
740 : $P_{26592} = (31, 29, 24, 1)$	794 : $P_{28306} = (17, 19, 26, 1)$	848 : $P_{29932} = (11, 6, 28, 1)$
741 : $P_{26677} = (20, 0, 25, 1)$	795 : $P_{28332} = (11, 20, 26, 1)$	849 : $P_{30044} = (27, 9, 28, 1)$
742 : $P_{26679} = (22, 0, 25, 1)$	796 : $P_{28428} = (11, 23, 26, 1)$	850 : $P_{30123} = (10, 12, 28, 1)$
743 : $P_{26683} = (26, 0, 25, 1)$	797 : $P_{28441} = (24, 23, 26, 1)$	851 : $P_{30218} = (9, 15, 28, 1)$
744 : $P_{26737} = (16, 2, 25, 1)$	798 : $P_{28448} = (31, 23, 26, 1)$	852 : $P_{30298} = (25, 17, 28, 1)$
745 : $P_{26740} = (19, 2, 25, 1)$	799 : $P_{28492} = (11, 25, 26, 1)$	853 : $P_{30336} = (31, 18, 28, 1)$
746 : $P_{26746} = (25, 2, 25, 1)$	800 : $P_{28502} = (21, 25, 26, 1)$	854 : $P_{30344} = (7, 19, 28, 1)$
747 : $P_{26779} = (26, 3, 25, 1)$	801 : $P_{28509} = (28, 25, 26, 1)$	855 : $P_{30353} = (16, 19, 28, 1)$
748 : $P_{26810} = (25, 4, 25, 1)$	802 : $P_{28525} = (12, 26, 26, 1)$	856 : $P_{30362} = (25, 19, 28, 1)$
749 : $P_{26878} = (29, 6, 25, 1)$	803 : $P_{28653} = (12, 30, 26, 1)$	857 : $P_{30403} = (2, 21, 28, 1)$
750 : $P_{26909} = (28, 7, 25, 1)$	804 : $P_{28664} = (23, 30, 26, 1)$	858 : $P_{30464} = (31, 22, 28, 1)$
751 : $P_{26927} = (14, 8, 25, 1)$	805 : $P_{28671} = (30, 30, 26, 1)$	859 : $P_{30474} = (9, 23, 28, 1)$
752 : $P_{26960} = (15, 9, 25, 1)$	806 : $P_{28697} = (24, 31, 26, 1)$	860 : $P_{30501} = (4, 24, 28, 1)$
753 : $P_{27049} = (8, 12, 25, 1)$	807 : $P_{28730} = (25, 0, 27, 1)$	861 : $P_{30527} = (30, 24, 28, 1)$
754 : $P_{27055} = (14, 12, 25, 1)$	808 : $P_{28794} = (25, 2, 27, 1)$	862 : $P_{30528} = (31, 24, 28, 1)$
755 : $P_{27059} = (18, 12, 25, 1)$	809 : $P_{28797} = (28, 2, 27, 1)$	863 : $P_{30550} = (21, 25, 28, 1)$
756 : $P_{27093} = (20, 13, 25, 1)$	810 : $P_{28798} = (29, 2, 27, 1)$	864 : $P_{30582} = (21, 26, 28, 1)$
757 : $P_{27147} = (10, 15, 25, 1)$	811 : $P_{28823} = (22, 3, 27, 1)$	865 : $P_{30610} = (17, 27, 28, 1)$
758 : $P_{27148} = (11, 15, 25, 1)$	812 : $P_{28840} = (7, 4, 27, 1)$	866 : $P_{30652} = (27, 28, 28, 1)$
759 : $P_{27159} = (22, 15, 25, 1)$	813 : $P_{28845} = (12, 4, 27, 1)$	867 : $P_{30714} = (25, 30, 28, 1)$
760 : $P_{27199} = (30, 16, 25, 1)$	814 : $P_{28854} = (21, 4, 27, 1)$	868 : $P_{30742} = (21, 31, 28, 1)$
761 : $P_{27240} = (7, 18, 25, 1)$	815 : $P_{28878} = (13, 5, 27, 1)$	869 : $P_{30770} = (17, 0, 29, 1)$
762 : $P_{27317} = (20, 20, 25, 1)$	816 : $P_{28913} = (16, 6, 27, 1)$	870 : $P_{30773} = (20, 0, 29, 1)$
763 : $P_{27332} = (3, 21, 25, 1)$	817 : $P_{28915} = (18, 6, 27, 1)$	871 : $P_{30778} = (25, 0, 29, 1)$
764 : $P_{27368} = (7, 22, 25, 1)$	818 : $P_{28927} = (30, 6, 27, 1)$	872 : $P_{30827} = (10, 2, 29, 1)$
765 : $P_{27383} = (22, 22, 25, 1)$	819 : $P_{29009} = (16, 9, 27, 1)$	873 : $P_{30906} = (25, 4, 29, 1)$
766 : $P_{27392} = (31, 22, 25, 1)$	820 : $P_{29044} = (19, 10, 27, 1)$	874 : $P_{30921} = (8, 5, 29, 1)$
767 : $P_{27473} = (16, 25, 25, 1)$	821 : $P_{29045} = (20, 10, 27, 1)$	875 : $P_{30928} = (15, 5, 29, 1)$

876 : $P_{30943} = (30, 5, 29, 1)$	905 : $P_{31793} = (16, 0, 30, 1)$	934 : $P_{32750} = (13, 30, 30, 1)$
877 : $P_{30950} = (5, 6, 29, 1)$	906 : $P_{31850} = (9, 2, 30, 1)$	935 : $P_{32803} = (2, 0, 31, 1)$
878 : $P_{30953} = (8, 6, 29, 1)$	907 : $P_{31935} = (30, 4, 30, 1)$	936 : $P_{32867} = (2, 2, 31, 1)$
879 : $P_{30968} = (23, 6, 29, 1)$	908 : $P_{31955} = (18, 5, 30, 1)$	937 : $P_{32876} = (11, 2, 31, 1)$
880 : $P_{31059} = (18, 9, 29, 1)$	909 : $P_{31957} = (20, 5, 30, 1)$	938 : $P_{32886} = (21, 2, 31, 1)$
881 : $P_{31060} = (19, 9, 29, 1)$	910 : $P_{31965} = (28, 5, 30, 1)$	939 : $P_{32958} = (29, 4, 31, 1)$
882 : $P_{31061} = (20, 9, 29, 1)$	911 : $P_{31989} = (20, 6, 30, 1)$	940 : $P_{32972} = (11, 5, 31, 1)$
883 : $P_{31094} = (21, 10, 29, 1)$	912 : $P_{31992} = (23, 6, 30, 1)$	941 : $P_{33085} = (28, 8, 31, 1)$
884 : $P_{31121} = (16, 11, 29, 1)$	913 : $P_{31995} = (26, 6, 30, 1)$	942 : $P_{33093} = (4, 9, 31, 1)$
885 : $P_{31131} = (26, 11, 29, 1)$	914 : $P_{32019} = (18, 7, 30, 1)$	943 : $P_{33134} = (13, 10, 31, 1)$
886 : $P_{31134} = (29, 11, 29, 1)$	915 : $P_{32043} = (10, 8, 30, 1)$	944 : $P_{33270} = (21, 14, 31, 1)$
887 : $P_{31154} = (17, 12, 29, 1)$	916 : $P_{32176} = (15, 12, 30, 1)$	945 : $P_{33294} = (13, 15, 31, 1)$
888 : $P_{31171} = (2, 13, 29, 1)$	917 : $P_{32200} = (7, 13, 30, 1)$	946 : $P_{33351} = (6, 17, 31, 1)$
889 : $P_{31183} = (14, 13, 29, 1)$	918 : $P_{32202} = (9, 13, 30, 1)$	947 : $P_{33380} = (3, 18, 31, 1)$
890 : $P_{31198} = (29, 13, 29, 1)$	919 : $P_{32221} = (28, 13, 30, 1)$	948 : $P_{33418} = (9, 19, 31, 1)$
891 : $P_{31256} = (23, 15, 29, 1)$	920 : $P_{32229} = (4, 14, 30, 1)$	949 : $P_{33426} = (17, 19, 31, 1)$
892 : $P_{31269} = (4, 16, 29, 1)$	921 : $P_{32230} = (5, 14, 30, 1)$	950 : $P_{33430} = (21, 19, 31, 1)$
893 : $P_{31314} = (17, 17, 29, 1)$	922 : $P_{32241} = (16, 14, 30, 1)$	951 : $P_{33459} = (18, 20, 31, 1)$
894 : $P_{31404} = (11, 20, 29, 1)$	923 : $P_{32268} = (11, 15, 30, 1)$	952 : $P_{33498} = (25, 21, 31, 1)$
895 : $P_{31413} = (20, 20, 29, 1)$	924 : $P_{32305} = (16, 16, 30, 1)$	953 : $P_{33547} = (10, 23, 31, 1)$
896 : $P_{31416} = (23, 20, 29, 1)$	925 : $P_{32330} = (9, 17, 30, 1)$	954 : $P_{33549} = (12, 23, 31, 1)$
897 : $P_{31463} = (6, 22, 29, 1)$	926 : $P_{32494} = (13, 22, 30, 1)$	955 : $P_{33552} = (15, 23, 31, 1)$
898 : $P_{31496} = (7, 23, 29, 1)$	927 : $P_{32505} = (24, 22, 30, 1)$	956 : $P_{33580} = (11, 24, 31, 1)$
899 : $P_{31533} = (12, 24, 29, 1)$	928 : $P_{32509} = (28, 22, 30, 1)$	957 : $P_{33646} = (13, 26, 31, 1)$
900 : $P_{31578} = (25, 25, 29, 1)$	929 : $P_{32564} = (19, 24, 30, 1)$	958 : $P_{33704} = (7, 28, 31, 1)$
901 : $P_{31646} = (29, 27, 29, 1)$	930 : $P_{32606} = (29, 25, 30, 1)$	959 : $P_{33731} = (2, 29, 31, 1)$
902 : $P_{31683} = (2, 29, 29, 1)$	931 : $P_{32662} = (21, 27, 30, 1)$	960 : $P_{33818} = (25, 31, 31, 1)$
903 : $P_{31721} = (8, 30, 29, 1)$	932 : $P_{32691} = (18, 28, 30, 1)$	
904 : $P_{31754} = (9, 31, 29, 1)$	933 : $P_{32725} = (20, 29, 30, 1)$	