

Rank-140 over GF(32)

January 15, 2021

The equation

The equation of the surface is :

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

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

The point rank of the equation over GF(32) is 69273680

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 : $P_{67} = (0, 1, 1, 0)$	27 : $P_{773} = (2, 23, 1, 0)$
1 : $P_{104} = (5, 2, 1, 0)$	28 : $P_{786} = (15, 23, 1, 0)$
2 : $P_{139} = (8, 3, 1, 0)$	29 : $P_{798} = (27, 23, 1, 0)$
3 : $P_{154} = (23, 3, 1, 0)$	30 : $P_{805} = (2, 24, 1, 0)$
4 : $P_{160} = (29, 3, 1, 0)$	31 : $P_{807} = (4, 24, 1, 0)$
5 : $P_{180} = (17, 4, 1, 0)$	32 : $P_{834} = (31, 24, 1, 0)$
6 : $P_{205} = (10, 5, 1, 0)$	33 : $P_{886} = (19, 26, 1, 0)$
7 : $P_{217} = (22, 5, 1, 0)$	34 : $P_{887} = (20, 26, 1, 0)$
8 : $P_{219} = (24, 5, 1, 0)$	35 : $P_{895} = (28, 26, 1, 0)$
9 : $P_{263} = (4, 7, 1, 0)$	36 : $P_{902} = (3, 27, 1, 0)$
10 : $P_{275} = (16, 7, 1, 0)$	37 : $P_{942} = (11, 28, 1, 0)$
11 : $P_{277} = (18, 7, 1, 0)$	38 : $P_{944} = (13, 28, 1, 0)$
12 : $P_{336} = (13, 9, 1, 0)$	39 : $P_{958} = (27, 28, 1, 0)$
13 : $P_{414} = (27, 11, 1, 0)$	40 : $P_{1031} = (4, 31, 1, 0)$
14 : $P_{425} = (6, 12, 1, 0)$	41 : $P_{1090} = (0, 1, 0, 1)$
15 : $P_{440} = (21, 12, 1, 0)$	42 : $P_{1127} = (5, 2, 0, 1)$
16 : $P_{449} = (30, 12, 1, 0)$	43 : $P_{1162} = (8, 3, 0, 1)$
17 : $P_{477} = (26, 13, 1, 0)$	44 : $P_{1177} = (23, 3, 0, 1)$
18 : $P_{517} = (2, 15, 1, 0)$	45 : $P_{1183} = (29, 3, 0, 1)$
19 : $P_{559} = (12, 16, 1, 0)$	46 : $P_{1203} = (17, 4, 0, 1)$
20 : $P_{586} = (7, 17, 1, 0)$	47 : $P_{1228} = (10, 5, 0, 1)$
21 : $P_{593} = (14, 17, 1, 0)$	48 : $P_{1240} = (22, 5, 0, 1)$
22 : $P_{604} = (25, 17, 1, 0)$	49 : $P_{1242} = (24, 5, 0, 1)$
23 : $P_{627} = (16, 18, 1, 0)$	50 : $P_{1286} = (4, 7, 0, 1)$
24 : $P_{716} = (9, 21, 1, 0)$	51 : $P_{1298} = (16, 7, 0, 1)$
25 : $P_{720} = (13, 21, 1, 0)$	52 : $P_{1300} = (18, 7, 0, 1)$
26 : $P_{723} = (16, 21, 1, 0)$	53 : $P_{1359} = (13, 9, 0, 1)$

54 : $P_{1437} = (27, 11, 0, 1)$	108 : $P_{3884} = (11, 24, 2, 1)$
55 : $P_{1448} = (6, 12, 0, 1)$	109 : $P_{3891} = (18, 24, 2, 1)$
56 : $P_{1463} = (21, 12, 0, 1)$	110 : $P_{3980} = (11, 27, 2, 1)$
57 : $P_{1472} = (30, 12, 0, 1)$	111 : $P_{4050} = (17, 29, 2, 1)$
58 : $P_{1500} = (26, 13, 0, 1)$	112 : $P_{4083} = (18, 30, 2, 1)$
59 : $P_{1540} = (2, 15, 0, 1)$	113 : $P_{4087} = (22, 30, 2, 1)$
60 : $P_{1582} = (12, 16, 0, 1)$	114 : $P_{4090} = (25, 30, 2, 1)$
61 : $P_{1609} = (7, 17, 0, 1)$	115 : $P_{4104} = (7, 31, 2, 1)$
62 : $P_{1616} = (14, 17, 0, 1)$	116 : $P_{4137} = (8, 0, 3, 1)$
63 : $P_{1627} = (25, 17, 0, 1)$	117 : $P_{4152} = (23, 0, 3, 1)$
64 : $P_{1650} = (16, 18, 0, 1)$	118 : $P_{4158} = (29, 0, 3, 1)$
65 : $P_{1739} = (9, 21, 0, 1)$	119 : $P_{4204} = (11, 2, 3, 1)$
66 : $P_{1743} = (13, 21, 0, 1)$	120 : $P_{4308} = (19, 5, 3, 1)$
67 : $P_{1746} = (16, 21, 0, 1)$	121 : $P_{4393} = (8, 8, 3, 1)$
68 : $P_{1796} = (2, 23, 0, 1)$	122 : $P_{4405} = (20, 8, 3, 1)$
69 : $P_{1809} = (15, 23, 0, 1)$	123 : $P_{4407} = (22, 8, 3, 1)$
70 : $P_{1821} = (27, 23, 0, 1)$	124 : $P_{4451} = (2, 10, 3, 1)$
71 : $P_{1828} = (2, 24, 0, 1)$	125 : $P_{4482} = (1, 11, 3, 1)$
72 : $P_{1830} = (4, 24, 0, 1)$	126 : $P_{4488} = (7, 11, 3, 1)$
73 : $P_{1857} = (31, 24, 0, 1)$	127 : $P_{4496} = (15, 11, 3, 1)$
74 : $P_{1909} = (19, 26, 0, 1)$	128 : $P_{4531} = (18, 12, 3, 1)$
75 : $P_{1910} = (20, 26, 0, 1)$	129 : $P_{4604} = (27, 14, 3, 1)$
76 : $P_{1918} = (28, 26, 0, 1)$	130 : $P_{4621} = (12, 15, 3, 1)$
77 : $P_{1925} = (3, 27, 0, 1)$	131 : $P_{4641} = (0, 16, 3, 1)$
78 : $P_{1965} = (11, 28, 0, 1)$	132 : $P_{4659} = (18, 16, 3, 1)$
79 : $P_{1967} = (13, 28, 0, 1)$	133 : $P_{4684} = (11, 17, 3, 1)$
80 : $P_{1981} = (27, 28, 0, 1)$	134 : $P_{4714} = (9, 18, 3, 1)$
81 : $P_{2054} = (4, 31, 0, 1)$	135 : $P_{4715} = (10, 18, 3, 1)$
82 : $P_{2082} = (0, 0, 1, 1)$	136 : $P_{4724} = (19, 18, 3, 1)$
83 : $P_{3110} = (5, 0, 2, 1)$	137 : $P_{4748} = (11, 19, 3, 1)$
84 : $P_{3212} = (11, 3, 2, 1)$	138 : $P_{4800} = (31, 20, 3, 1)$
85 : $P_{3248} = (15, 4, 2, 1)$	139 : $P_{4803} = (2, 21, 3, 1)$
86 : $P_{3270} = (5, 5, 2, 1)$	140 : $P_{4882} = (17, 23, 3, 1)$
87 : $P_{3300} = (3, 6, 2, 1)$	141 : $P_{4884} = (19, 23, 3, 1)$
88 : $P_{3315} = (18, 6, 2, 1)$	142 : $P_{4888} = (23, 23, 3, 1)$
89 : $P_{3317} = (20, 6, 2, 1)$	143 : $P_{4903} = (6, 24, 3, 1)$
90 : $P_{3335} = (6, 7, 2, 1)$	144 : $P_{4991} = (30, 26, 3, 1)$
91 : $P_{3376} = (15, 8, 2, 1)$	145 : $P_{4996} = (3, 27, 3, 1)$
92 : $P_{3416} = (23, 9, 2, 1)$	146 : $P_{5043} = (18, 28, 3, 1)$
93 : $P_{3433} = (8, 10, 2, 1)$	147 : $P_{5086} = (29, 29, 3, 1)$
94 : $P_{3489} = (0, 12, 2, 1)$	148 : $P_{5123} = (2, 31, 3, 1)$
95 : $P_{3504} = (15, 12, 2, 1)$	149 : $P_{5170} = (17, 0, 4, 1)$
96 : $P_{3554} = (1, 14, 2, 1)$	150 : $P_{5232} = (15, 2, 4, 1)$
97 : $P_{3587} = (2, 15, 2, 1)$	151 : $P_{5328} = (15, 5, 4, 1)$
98 : $P_{3702} = (21, 18, 2, 1)$	152 : $P_{5381} = (4, 7, 4, 1)$
99 : $P_{3742} = (29, 19, 2, 1)$	153 : $P_{5386} = (9, 7, 4, 1)$
100 : $P_{3787} = (10, 21, 2, 1)$	154 : $P_{5392} = (15, 7, 4, 1)$
101 : $P_{3825} = (16, 22, 2, 1)$	155 : $P_{5431} = (22, 8, 4, 1)$
102 : $P_{3836} = (27, 22, 2, 1)$	156 : $P_{5469} = (28, 9, 4, 1)$
103 : $P_{3839} = (30, 22, 2, 1)$	157 : $P_{5504} = (31, 10, 4, 1)$
104 : $P_{3843} = (2, 23, 2, 1)$	158 : $P_{5529} = (24, 11, 4, 1)$
105 : $P_{3853} = (12, 23, 2, 1)$	159 : $P_{5611} = (10, 14, 4, 1)$
106 : $P_{3867} = (26, 23, 2, 1)$	160 : $P_{5696} = (31, 16, 4, 1)$
107 : $P_{3875} = (2, 24, 2, 1)$	161 : $P_{5714} = (17, 17, 4, 1)$

162 : $P_{5750} = (21, 18, 4, 1)$	216 : $P_{7283} = (18, 2, 6, 1)$
163 : $P_{5767} = (6, 19, 4, 1)$	217 : $P_{7285} = (20, 2, 6, 1)$
164 : $P_{5770} = (9, 19, 4, 1)$	218 : $P_{7442} = (17, 7, 6, 1)$
165 : $P_{5786} = (25, 19, 4, 1)$	219 : $P_{7490} = (1, 9, 6, 1)$
166 : $P_{5798} = (5, 20, 4, 1)$	220 : $P_{7509} = (20, 9, 6, 1)$
167 : $P_{5802} = (9, 20, 4, 1)$	221 : $P_{7516} = (27, 9, 6, 1)$
168 : $P_{5822} = (29, 20, 4, 1)$	222 : $P_{7537} = (16, 10, 6, 1)$
169 : $P_{5845} = (20, 21, 4, 1)$	223 : $P_{7573} = (20, 11, 6, 1)$
170 : $P_{5869} = (12, 22, 4, 1)$	224 : $P_{7591} = (6, 12, 6, 1)$
171 : $P_{5924} = (3, 24, 4, 1)$	225 : $P_{7620} = (3, 13, 6, 1)$
172 : $P_{5925} = (4, 24, 4, 1)$	226 : $P_{7677} = (28, 14, 6, 1)$
173 : $P_{5947} = (26, 24, 4, 1)$	227 : $P_{7684} = (3, 15, 6, 1)$
174 : $P_{5955} = (2, 25, 4, 1)$	228 : $P_{7717} = (4, 16, 6, 1)$
175 : $P_{5966} = (13, 25, 4, 1)$	229 : $P_{7721} = (8, 16, 6, 1)$
176 : $P_{5972} = (19, 25, 4, 1)$	230 : $P_{7740} = (27, 16, 6, 1)$
177 : $P_{5985} = (0, 26, 4, 1)$	231 : $P_{7777} = (0, 18, 6, 1)$
178 : $P_{6016} = (31, 26, 4, 1)$	232 : $P_{7798} = (21, 18, 6, 1)$
179 : $P_{6063} = (14, 28, 4, 1)$	233 : $P_{7843} = (2, 20, 6, 1)$
180 : $P_{6114} = (1, 30, 4, 1)$	234 : $P_{7948} = (11, 23, 6, 1)$
181 : $P_{6149} = (4, 31, 4, 1)$	235 : $P_{7994} = (25, 24, 6, 1)$
182 : $P_{6187} = (10, 0, 5, 1)$	236 : $P_{8028} = (27, 25, 6, 1)$
183 : $P_{6199} = (22, 0, 5, 1)$	237 : $P_{8048} = (15, 26, 6, 1)$
184 : $P_{6201} = (24, 0, 5, 1)$	238 : $P_{8126} = (29, 28, 6, 1)$
185 : $P_{6246} = (5, 2, 5, 1)$	239 : $P_{8185} = (24, 30, 6, 1)$
186 : $P_{6292} = (19, 3, 5, 1)$	240 : $P_{8229} = (4, 0, 7, 1)$
187 : $P_{6320} = (15, 4, 5, 1)$	241 : $P_{8241} = (16, 0, 7, 1)$
188 : $P_{6421} = (20, 7, 5, 1)$	242 : $P_{8243} = (18, 0, 7, 1)$
189 : $P_{6448} = (15, 8, 5, 1)$	243 : $P_{8295} = (6, 2, 7, 1)$
190 : $P_{6473} = (8, 9, 5, 1)$	244 : $P_{8357} = (4, 4, 7, 1)$
191 : $P_{6476} = (11, 9, 5, 1)$	245 : $P_{8362} = (9, 4, 7, 1)$
192 : $P_{6479} = (14, 9, 5, 1)$	246 : $P_{8368} = (15, 4, 7, 1)$
193 : $P_{6507} = (10, 10, 5, 1)$	247 : $P_{8405} = (20, 5, 7, 1)$
194 : $P_{6522} = (25, 10, 5, 1)$	248 : $P_{8434} = (17, 6, 7, 1)$
195 : $P_{6526} = (29, 10, 5, 1)$	249 : $P_{8496} = (15, 8, 7, 1)$
196 : $P_{6576} = (15, 12, 5, 1)$	250 : $P_{8503} = (22, 8, 7, 1)$
197 : $P_{6593} = (0, 13, 5, 1)$	251 : $P_{8504} = (23, 8, 7, 1)$
198 : $P_{6602} = (9, 13, 5, 1)$	252 : $P_{8530} = (17, 9, 7, 1)$
199 : $P_{6629} = (4, 14, 5, 1)$	253 : $P_{8624} = (15, 12, 7, 1)$
200 : $P_{6658} = (1, 15, 5, 1)$	254 : $P_{8673} = (0, 14, 7, 1)$
201 : $P_{6678} = (21, 15, 5, 1)$	255 : $P_{8681} = (8, 14, 7, 1)$
202 : $P_{6688} = (31, 15, 5, 1)$	256 : $P_{8722} = (17, 15, 7, 1)$
203 : $P_{6729} = (8, 17, 5, 1)$	257 : $P_{8740} = (3, 16, 7, 1)$
204 : $P_{6757} = (4, 18, 5, 1)$	258 : $P_{8742} = (5, 16, 7, 1)$
205 : $P_{6903} = (22, 22, 5, 1)$	259 : $P_{8753} = (16, 16, 7, 1)$
206 : $P_{6922} = (9, 23, 5, 1)$	260 : $P_{8776} = (7, 17, 7, 1)$
207 : $P_{6953} = (8, 24, 5, 1)$	261 : $P_{8779} = (10, 17, 7, 1)$
208 : $P_{6957} = (12, 24, 5, 1)$	262 : $P_{8795} = (26, 17, 7, 1)$
209 : $P_{6969} = (24, 24, 5, 1)$	263 : $P_{8819} = (18, 18, 7, 1)$
210 : $P_{7018} = (9, 26, 5, 1)$	264 : $P_{8871} = (6, 20, 7, 1)$
211 : $P_{7077} = (4, 28, 5, 1)$	265 : $P_{8905} = (8, 21, 7, 1)$
212 : $P_{7123} = (18, 29, 5, 1)$	266 : $P_{8935} = (6, 22, 7, 1)$
213 : $P_{7139} = (2, 30, 5, 1)$	267 : $P_{9012} = (19, 24, 7, 1)$
214 : $P_{7195} = (26, 31, 5, 1)$	268 : $P_{9084} = (27, 26, 7, 1)$
215 : $P_{7268} = (3, 2, 6, 1)$	269 : $P_{9097} = (8, 27, 7, 1)$

270 : $P_{9184} = (31, 29, 7, 1)$	324 : $P_{11106} = (1, 26, 9, 1)$
271 : $P_{9198} = (13, 30, 7, 1)$	325 : $P_{11116} = (11, 26, 9, 1)$
272 : $P_{9218} = (1, 31, 7, 1)$	326 : $P_{11129} = (24, 26, 9, 1)$
273 : $P_{9328} = (15, 2, 8, 1)$	327 : $P_{11170} = (1, 28, 9, 1)$
274 : $P_{9353} = (8, 3, 8, 1)$	328 : $P_{11276} = (11, 31, 9, 1)$
275 : $P_{9365} = (20, 3, 8, 1)$	329 : $P_{11280} = (15, 31, 9, 1)$
276 : $P_{9367} = (22, 3, 8, 1)$	330 : $P_{11284} = (19, 31, 9, 1)$
277 : $P_{9399} = (22, 4, 8, 1)$	331 : $P_{11369} = (8, 2, 10, 1)$
278 : $P_{9424} = (15, 5, 8, 1)$	332 : $P_{11395} = (2, 3, 10, 1)$
279 : $P_{9488} = (15, 7, 8, 1)$	333 : $P_{11456} = (31, 4, 10, 1)$
280 : $P_{9495} = (22, 7, 8, 1)$	334 : $P_{11467} = (10, 5, 10, 1)$
281 : $P_{9496} = (23, 7, 8, 1)$	335 : $P_{11482} = (25, 5, 10, 1)$
282 : $P_{9561} = (24, 9, 8, 1)$	336 : $P_{11486} = (29, 5, 10, 1)$
283 : $P_{9598} = (29, 10, 8, 1)$	337 : $P_{11505} = (16, 6, 10, 1)$
284 : $P_{9649} = (16, 12, 8, 1)$	338 : $P_{11582} = (29, 8, 10, 1)$
285 : $P_{9666} = (1, 13, 8, 1)$	339 : $P_{11656} = (7, 11, 10, 1)$
286 : $P_{9767} = (6, 16, 8, 1)$	340 : $P_{11728} = (15, 13, 10, 1)$
287 : $P_{9772} = (11, 16, 8, 1)$	341 : $P_{11733} = (20, 13, 10, 1)$
288 : $P_{9781} = (20, 16, 8, 1)$	342 : $P_{11742} = (29, 13, 10, 1)$
289 : $P_{9877} = (20, 19, 8, 1)$	343 : $P_{11767} = (22, 14, 10, 1)$
290 : $P_{9960} = (7, 22, 8, 1)$	344 : $P_{11834} = (25, 16, 10, 1)$
291 : $P_{9985} = (0, 23, 8, 1)$	345 : $P_{11872} = (31, 17, 10, 1)$
292 : $P_{10015} = (30, 23, 8, 1)$	346 : $P_{11993} = (24, 21, 10, 1)$
293 : $P_{10053} = (4, 25, 8, 1)$	347 : $P_{11994} = (25, 21, 10, 1)$
294 : $P_{10108} = (27, 26, 8, 1)$	348 : $P_{12000} = (31, 21, 10, 1)$
295 : $P_{10132} = (19, 27, 8, 1)$	349 : $P_{12029} = (28, 22, 10, 1)$
296 : $P_{10147} = (2, 28, 8, 1)$	350 : $P_{12037} = (4, 23, 10, 1)$
297 : $P_{10198} = (21, 29, 8, 1)$	351 : $P_{12065} = (0, 24, 10, 1)$
298 : $P_{10286} = (13, 0, 9, 1)$	352 : $P_{12084} = (19, 24, 10, 1)$
299 : $P_{10360} = (23, 2, 9, 1)$	353 : $P_{12118} = (21, 25, 10, 1)$
300 : $P_{10429} = (28, 4, 9, 1)$	354 : $P_{12142} = (13, 26, 10, 1)$
301 : $P_{10441} = (8, 5, 9, 1)$	355 : $P_{12162} = (1, 27, 10, 1)$
302 : $P_{10444} = (11, 5, 9, 1)$	356 : $P_{12348} = (27, 0, 11, 1)$
303 : $P_{10447} = (14, 5, 9, 1)$	357 : $P_{12418} = (1, 3, 11, 1)$
304 : $P_{10466} = (1, 6, 9, 1)$	358 : $P_{12424} = (7, 3, 11, 1)$
305 : $P_{10485} = (20, 6, 9, 1)$	359 : $P_{12432} = (15, 3, 11, 1)$
306 : $P_{10492} = (27, 6, 9, 1)$	360 : $P_{12473} = (24, 4, 11, 1)$
307 : $P_{10514} = (17, 7, 9, 1)$	361 : $P_{12533} = (20, 6, 11, 1)$
308 : $P_{10553} = (24, 8, 9, 1)$	362 : $P_{12616} = (7, 9, 11, 1)$
309 : $P_{10632} = (7, 11, 9, 1)$	363 : $P_{12648} = (7, 10, 11, 1)$
310 : $P_{10662} = (5, 12, 9, 1)$	364 : $P_{12718} = (13, 12, 11, 1)$
311 : $P_{10702} = (13, 13, 9, 1)$	365 : $P_{12760} = (23, 13, 11, 1)$
312 : $P_{10763} = (10, 15, 9, 1)$	366 : $P_{12822} = (21, 15, 11, 1)$
313 : $P_{10771} = (18, 15, 9, 1)$	367 : $P_{12856} = (23, 16, 11, 1)$
314 : $P_{10784} = (31, 15, 9, 1)$	368 : $P_{12875} = (10, 17, 11, 1)$
315 : $P_{10813} = (28, 16, 9, 1)$	369 : $P_{12880} = (15, 17, 11, 1)$
316 : $P_{10833} = (16, 17, 9, 1)$	370 : $P_{12895} = (30, 17, 11, 1)$
317 : $P_{10873} = (24, 18, 9, 1)$	371 : $P_{12905} = (8, 18, 11, 1)$
318 : $P_{10913} = (0, 20, 9, 1)$	372 : $P_{12912} = (15, 18, 11, 1)$
319 : $P_{10941} = (28, 20, 9, 1)$	373 : $P_{12928} = (31, 18, 11, 1)$
320 : $P_{10954} = (9, 21, 9, 1)$	374 : $P_{12962} = (1, 20, 11, 1)$
321 : $P_{10989} = (12, 22, 9, 1)$	375 : $P_{12963} = (2, 20, 11, 1)$
322 : $P_{11012} = (3, 23, 9, 1)$	376 : $P_{12990} = (29, 20, 11, 1)$
323 : $P_{11079} = (6, 25, 9, 1)$	377 : $P_{13005} = (12, 21, 11, 1)$

378 : $P_{13058} = (1, 23, 11, 1)$
 379 : $P_{13094} = (5, 24, 11, 1)$
 380 : $P_{13147} = (26, 25, 11, 1)$
 381 : $P_{13170} = (17, 26, 11, 1)$
 382 : $P_{13212} = (27, 27, 11, 1)$
 383 : $P_{13228} = (11, 28, 11, 1)$
 384 : $P_{13249} = (0, 29, 11, 1)$
 385 : $P_{13272} = (23, 29, 11, 1)$
 386 : $P_{13322} = (9, 31, 11, 1)$
 387 : $P_{13327} = (14, 31, 11, 1)$
 388 : $P_{13331} = (18, 31, 11, 1)$
 389 : $P_{13351} = (6, 0, 12, 1)$
 390 : $P_{13366} = (21, 0, 12, 1)$
 391 : $P_{13375} = (30, 0, 12, 1)$
 392 : $P_{13409} = (0, 2, 12, 1)$
 393 : $P_{13424} = (15, 2, 12, 1)$
 394 : $P_{13459} = (18, 3, 12, 1)$
 395 : $P_{13520} = (15, 5, 12, 1)$
 396 : $P_{13543} = (6, 6, 12, 1)$
 397 : $P_{13584} = (15, 7, 12, 1)$
 398 : $P_{13617} = (16, 8, 12, 1)$
 399 : $P_{13638} = (5, 9, 12, 1)$
 400 : $P_{13710} = (13, 11, 12, 1)$
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 798 : $P_{27234} = (1, 18, 25, 1)$
 799 : $P_{27239} = (6, 18, 25, 1)$
 800 : $P_{27246} = (13, 18, 25, 1)$
 801 : $P_{27349} = (20, 21, 25, 1)$
 802 : $P_{27374} = (13, 22, 25, 1)$
 803 : $P_{27415} = (22, 23, 25, 1)$
 804 : $P_{27430} = (5, 24, 25, 1)$
 805 : $P_{27527} = (6, 27, 25, 1)$
 806 : $P_{27547} = (26, 27, 25, 1)$
 807 : $P_{27552} = (31, 27, 25, 1)$
 808 : $P_{27562} = (9, 28, 25, 1)$
 809 : $P_{27649} = (0, 31, 25, 1)$

810 : $P_{27656} = (7, 31, 25, 1)$
 811 : $P_{27700} = (19, 0, 26, 1)$
 812 : $P_{27701} = (20, 0, 26, 1)$
 813 : $P_{27709} = (28, 0, 26, 1)$
 814 : $P_{27807} = (30, 3, 26, 1)$
 815 : $P_{27809} = (0, 4, 26, 1)$
 816 : $P_{27840} = (31, 4, 26, 1)$
 817 : $P_{27850} = (9, 5, 26, 1)$
 818 : $P_{27888} = (15, 6, 26, 1)$
 819 : $P_{27932} = (27, 7, 26, 1)$
 820 : $P_{27964} = (27, 8, 26, 1)$
 821 : $P_{27970} = (1, 9, 26, 1)$
 822 : $P_{27980} = (11, 9, 26, 1)$
 823 : $P_{27993} = (24, 9, 26, 1)$
 824 : $P_{28014} = (13, 10, 26, 1)$
 825 : $P_{28050} = (17, 11, 26, 1)$
 826 : $P_{28079} = (14, 12, 26, 1)$
 827 : $P_{28123} = (26, 13, 26, 1)$
 828 : $P_{28188} = (27, 15, 26, 1)$
 829 : $P_{28256} = (31, 17, 26, 1)$
 830 : $P_{28295} = (6, 19, 26, 1)$
 831 : $P_{28308} = (19, 19, 26, 1)$
 832 : $P_{28318} = (29, 19, 26, 1)$
 833 : $P_{28341} = (20, 20, 26, 1)$
 834 : $P_{28384} = (31, 21, 26, 1)$
 835 : $P_{28442} = (25, 23, 26, 1)$
 836 : $P_{28554} = (9, 27, 26, 1)$
 837 : $P_{28582} = (5, 28, 26, 1)$
 838 : $P_{28605} = (28, 28, 26, 1)$
 839 : $P_{28607} = (30, 28, 26, 1)$
 840 : $P_{28650} = (9, 30, 26, 1)$
 841 : $P_{28681} = (8, 31, 26, 1)$
 842 : $P_{28691} = (18, 31, 26, 1)$
 843 : $P_{28703} = (30, 31, 26, 1)$
 844 : $P_{28708} = (3, 0, 27, 1)$
 845 : $P_{28780} = (11, 2, 27, 1)$
 846 : $P_{28804} = (3, 3, 27, 1)$
 847 : $P_{28937} = (8, 7, 27, 1)$
 848 : $P_{28980} = (19, 8, 27, 1)$
 849 : $P_{29026} = (1, 10, 27, 1)$
 850 : $P_{29084} = (27, 11, 27, 1)$
 851 : $P_{29130} = (9, 13, 27, 1)$
 852 : $P_{29175} = (22, 14, 27, 1)$
 853 : $P_{29182} = (29, 14, 27, 1)$
 854 : $P_{29184} = (31, 14, 27, 1)$
 855 : $P_{29209} = (24, 15, 27, 1)$
 856 : $P_{29249} = (0, 17, 27, 1)$
 857 : $P_{29260} = (11, 17, 27, 1)$
 858 : $P_{29309} = (28, 18, 27, 1)$
 859 : $P_{29324} = (11, 19, 27, 1)$
 860 : $P_{29350} = (5, 20, 27, 1)$
 861 : $P_{29450} = (9, 23, 27, 1)$
 862 : $P_{29468} = (27, 23, 27, 1)$
 863 : $P_{29472} = (31, 23, 27, 1)$

864 : $P_{29498} = (25, 24, 27, 1)$
 865 : $P_{29511} = (6, 25, 27, 1)$
 866 : $P_{29531} = (26, 25, 27, 1)$
 867 : $P_{29536} = (31, 25, 27, 1)$
 868 : $P_{29546} = (9, 26, 27, 1)$
 869 : $P_{29613} = (12, 28, 27, 1)$
 870 : $P_{29618} = (17, 28, 27, 1)$
 871 : $P_{29628} = (27, 28, 27, 1)$
 872 : $P_{29637} = (4, 29, 27, 1)$
 873 : $P_{29646} = (13, 29, 27, 1)$
 874 : $P_{29647} = (14, 29, 27, 1)$
 875 : $P_{29685} = (20, 30, 27, 1)$
 876 : $P_{29704} = (7, 31, 27, 1)$
 877 : $P_{29740} = (11, 0, 28, 1)$
 878 : $P_{29742} = (13, 0, 28, 1)$
 879 : $P_{29756} = (27, 0, 28, 1)$
 880 : $P_{29843} = (18, 3, 28, 1)$
 881 : $P_{29871} = (14, 4, 28, 1)$
 882 : $P_{29893} = (4, 5, 28, 1)$
 883 : $P_{29950} = (29, 6, 28, 1)$
 884 : $P_{29987} = (2, 8, 28, 1)$
 885 : $P_{30018} = (1, 9, 28, 1)$
 886 : $P_{30092} = (11, 11, 28, 1)$
 887 : $P_{30135} = (22, 12, 28, 1)$
 888 : $P_{30158} = (13, 13, 28, 1)$
 889 : $P_{30160} = (15, 13, 28, 1)$
 890 : $P_{30163} = (18, 13, 28, 1)$
 891 : $P_{30183} = (6, 14, 28, 1)$
 892 : $P_{30184} = (7, 14, 28, 1)$
 893 : $P_{30195} = (18, 14, 28, 1)$
 894 : $P_{30235} = (26, 15, 28, 1)$
 895 : $P_{30270} = (29, 16, 28, 1)$
 896 : $P_{30331} = (26, 18, 28, 1)$
 897 : $P_{30337} = (0, 19, 28, 1)$
 898 : $P_{30351} = (14, 19, 28, 1)$
 899 : $P_{30411} = (10, 21, 28, 1)$
 900 : $P_{30462} = (29, 22, 28, 1)$
 901 : $P_{30479} = (14, 23, 28, 1)$
 902 : $P_{30538} = (9, 25, 28, 1)$
 903 : $P_{30566} = (5, 26, 28, 1)$
 904 : $P_{30589} = (28, 26, 28, 1)$
 905 : $P_{30591} = (30, 26, 28, 1)$
 906 : $P_{30605} = (12, 27, 28, 1)$
 907 : $P_{30610} = (17, 27, 28, 1)$
 908 : $P_{30620} = (27, 27, 28, 1)$
 909 : $P_{30683} = (26, 29, 28, 1)$
 910 : $P_{30834} = (17, 2, 29, 1)$
 911 : $P_{30878} = (29, 3, 29, 1)$
 912 : $P_{30931} = (18, 5, 29, 1)$
 913 : $P_{31008} = (31, 7, 29, 1)$
 914 : $P_{31030} = (21, 8, 29, 1)$
 915 : $P_{31105} = (0, 11, 29, 1)$
 916 : $P_{31128} = (23, 11, 29, 1)$
 917 : $P_{31234} = (1, 15, 29, 1)$

918 : $P_{31237} = (4, 15, 29, 1)$	956 : $P_{32618} = (9, 26, 30, 1)$
919 : $P_{31255} = (22, 15, 29, 1)$	957 : $P_{32661} = (20, 27, 30, 1)$
920 : $P_{31276} = (11, 16, 29, 1)$	958 : $P_{32732} = (27, 29, 30, 1)$
921 : $P_{31282} = (17, 16, 29, 1)$	959 : $P_{32797} = (28, 31, 30, 1)$
922 : $P_{31287} = (22, 16, 29, 1)$	960 : $P_{32805} = (4, 0, 31, 1)$
923 : $P_{31346} = (17, 18, 29, 1)$	961 : $P_{32872} = (7, 2, 31, 1)$
924 : $P_{31385} = (24, 19, 29, 1)$	962 : $P_{32899} = (2, 3, 31, 1)$
925 : $P_{31397} = (4, 20, 29, 1)$	963 : $P_{32933} = (4, 4, 31, 1)$
926 : $P_{31445} = (20, 21, 29, 1)$	964 : $P_{32987} = (26, 5, 31, 1)$
927 : $P_{31473} = (16, 22, 29, 1)$	965 : $P_{33026} = (1, 7, 31, 1)$
928 : $P_{31546} = (25, 24, 29, 1)$	966 : $P_{33100} = (11, 9, 31, 1)$
929 : $P_{31621} = (4, 27, 29, 1)$	967 : $P_{33104} = (15, 9, 31, 1)$
930 : $P_{31630} = (13, 27, 29, 1)$	968 : $P_{33108} = (19, 9, 31, 1)$
931 : $P_{31631} = (14, 27, 29, 1)$	969 : $P_{33162} = (9, 11, 31, 1)$
932 : $P_{31675} = (26, 28, 29, 1)$	970 : $P_{33167} = (14, 11, 31, 1)$
933 : $P_{31740} = (27, 30, 29, 1)$	971 : $P_{33171} = (18, 11, 31, 1)$
934 : $P_{31767} = (22, 31, 29, 1)$	972 : $P_{33238} = (21, 13, 31, 1)$
935 : $P_{31859} = (18, 2, 30, 1)$	973 : $P_{33309} = (28, 15, 31, 1)$
936 : $P_{31863} = (22, 2, 30, 1)$	974 : $P_{33346} = (1, 17, 31, 1)$
937 : $P_{31866} = (25, 2, 30, 1)$	975 : $P_{33363} = (18, 17, 31, 1)$
938 : $P_{31906} = (1, 4, 30, 1)$	976 : $P_{33373} = (28, 17, 31, 1)$
939 : $P_{31939} = (2, 5, 30, 1)$	977 : $P_{33400} = (23, 18, 31, 1)$
940 : $P_{31993} = (24, 6, 30, 1)$	978 : $P_{33446} = (5, 20, 31, 1)$
941 : $P_{32014} = (13, 7, 30, 1)$	979 : $P_{33485} = (12, 21, 31, 1)$
942 : $P_{32181} = (20, 12, 30, 1)$	980 : $P_{33506} = (1, 22, 31, 1)$
943 : $P_{32186} = (25, 12, 30, 1)$	981 : $P_{33521} = (16, 22, 31, 1)$
944 : $P_{32191} = (30, 12, 30, 1)$	982 : $P_{33530} = (25, 22, 31, 1)$
945 : $P_{32202} = (9, 13, 30, 1)$	983 : $P_{33540} = (3, 23, 31, 1)$
946 : $P_{32250} = (25, 14, 30, 1)$	984 : $P_{33600} = (31, 24, 31, 1)$
947 : $P_{32303} = (14, 16, 30, 1)$	985 : $P_{33601} = (0, 25, 31, 1)$
948 : $P_{32337} = (16, 17, 30, 1)$	986 : $P_{33608} = (7, 25, 31, 1)$
949 : $P_{32391} = (6, 19, 30, 1)$	987 : $P_{33641} = (8, 26, 31, 1)$
950 : $P_{32440} = (23, 20, 30, 1)$	988 : $P_{33651} = (18, 26, 31, 1)$
951 : $P_{32449} = (0, 21, 30, 1)$	989 : $P_{33663} = (30, 26, 31, 1)$
952 : $P_{32459} = (10, 21, 30, 1)$	990 : $P_{33672} = (7, 27, 31, 1)$
953 : $P_{32522} = (9, 23, 30, 1)$	991 : $P_{33751} = (22, 29, 31, 1)$
954 : $P_{32533} = (20, 23, 30, 1)$	992 : $P_{33789} = (28, 30, 31, 1)$
955 : $P_{32534} = (21, 23, 30, 1)$	

Line Intersection Graph

┘

Neighbor sets in the line intersection graph:

The surface has 993 points:

The points on the surface are:

0 : $P_{67} = (0, 1, 1, 0)$	6 : $P_{205} = (10, 5, 1, 0)$	12 : $P_{336} = (13, 9, 1, 0)$
1 : $P_{104} = (5, 2, 1, 0)$	7 : $P_{217} = (22, 5, 1, 0)$	13 : $P_{414} = (27, 11, 1, 0)$
2 : $P_{139} = (8, 3, 1, 0)$	8 : $P_{219} = (24, 5, 1, 0)$	14 : $P_{425} = (6, 12, 1, 0)$
3 : $P_{154} = (23, 3, 1, 0)$	9 : $P_{263} = (4, 7, 1, 0)$	15 : $P_{440} = (21, 12, 1, 0)$
4 : $P_{160} = (29, 3, 1, 0)$	10 : $P_{275} = (16, 7, 1, 0)$	16 : $P_{449} = (30, 12, 1, 0)$
5 : $P_{180} = (17, 4, 1, 0)$	11 : $P_{277} = (18, 7, 1, 0)$	17 : $P_{477} = (26, 13, 1, 0)$

18 : $P_{517} = (2, 15, 1, 0)$	72 : $P_{1830} = (4, 24, 0, 1)$	126 : $P_{4488} = (7, 11, 3, 1)$
19 : $P_{559} = (12, 16, 1, 0)$	73 : $P_{1857} = (31, 24, 0, 1)$	127 : $P_{4496} = (15, 11, 3, 1)$
20 : $P_{586} = (7, 17, 1, 0)$	74 : $P_{1909} = (19, 26, 0, 1)$	128 : $P_{4531} = (18, 12, 3, 1)$
21 : $P_{593} = (14, 17, 1, 0)$	75 : $P_{1910} = (20, 26, 0, 1)$	129 : $P_{4604} = (27, 14, 3, 1)$
22 : $P_{604} = (25, 17, 1, 0)$	76 : $P_{1918} = (28, 26, 0, 1)$	130 : $P_{4621} = (12, 15, 3, 1)$
23 : $P_{627} = (16, 18, 1, 0)$	77 : $P_{1925} = (3, 27, 0, 1)$	131 : $P_{4641} = (0, 16, 3, 1)$
24 : $P_{716} = (9, 21, 1, 0)$	78 : $P_{1965} = (11, 28, 0, 1)$	132 : $P_{4659} = (18, 16, 3, 1)$
25 : $P_{720} = (13, 21, 1, 0)$	79 : $P_{1967} = (13, 28, 0, 1)$	133 : $P_{4684} = (11, 17, 3, 1)$
26 : $P_{723} = (16, 21, 1, 0)$	80 : $P_{1981} = (27, 28, 0, 1)$	134 : $P_{4714} = (9, 18, 3, 1)$
27 : $P_{773} = (2, 23, 1, 0)$	81 : $P_{2054} = (4, 31, 0, 1)$	135 : $P_{4715} = (10, 18, 3, 1)$
28 : $P_{786} = (15, 23, 1, 0)$	82 : $P_{2082} = (0, 0, 1, 1)$	136 : $P_{4724} = (19, 18, 3, 1)$
29 : $P_{798} = (27, 23, 1, 0)$	83 : $P_{3110} = (5, 0, 2, 1)$	137 : $P_{4748} = (11, 19, 3, 1)$
30 : $P_{805} = (2, 24, 1, 0)$	84 : $P_{3212} = (11, 3, 2, 1)$	138 : $P_{4800} = (31, 20, 3, 1)$
31 : $P_{807} = (4, 24, 1, 0)$	85 : $P_{3248} = (15, 4, 2, 1)$	139 : $P_{4803} = (2, 21, 3, 1)$
32 : $P_{834} = (31, 24, 1, 0)$	86 : $P_{3270} = (5, 5, 2, 1)$	140 : $P_{4882} = (17, 23, 3, 1)$
33 : $P_{886} = (19, 26, 1, 0)$	87 : $P_{3300} = (3, 6, 2, 1)$	141 : $P_{4884} = (19, 23, 3, 1)$
34 : $P_{887} = (20, 26, 1, 0)$	88 : $P_{3315} = (18, 6, 2, 1)$	142 : $P_{4888} = (23, 23, 3, 1)$
35 : $P_{895} = (28, 26, 1, 0)$	89 : $P_{3317} = (20, 6, 2, 1)$	143 : $P_{4903} = (6, 24, 3, 1)$
36 : $P_{902} = (3, 27, 1, 0)$	90 : $P_{3335} = (6, 7, 2, 1)$	144 : $P_{4991} = (30, 26, 3, 1)$
37 : $P_{942} = (11, 28, 1, 0)$	91 : $P_{3376} = (15, 8, 2, 1)$	145 : $P_{4996} = (3, 27, 3, 1)$
38 : $P_{944} = (13, 28, 1, 0)$	92 : $P_{3416} = (23, 9, 2, 1)$	146 : $P_{5043} = (18, 28, 3, 1)$
39 : $P_{958} = (27, 28, 1, 0)$	93 : $P_{3433} = (8, 10, 2, 1)$	147 : $P_{5086} = (29, 29, 3, 1)$
40 : $P_{1031} = (4, 31, 1, 0)$	94 : $P_{3489} = (0, 12, 2, 1)$	148 : $P_{5123} = (2, 31, 3, 1)$
41 : $P_{1090} = (0, 1, 0, 1)$	95 : $P_{3504} = (15, 12, 2, 1)$	149 : $P_{5170} = (17, 0, 4, 1)$
42 : $P_{1127} = (5, 2, 0, 1)$	96 : $P_{3554} = (1, 14, 2, 1)$	150 : $P_{5232} = (15, 2, 4, 1)$
43 : $P_{1162} = (8, 3, 0, 1)$	97 : $P_{3587} = (2, 15, 2, 1)$	151 : $P_{5328} = (15, 5, 4, 1)$
44 : $P_{1177} = (23, 3, 0, 1)$	98 : $P_{3702} = (21, 18, 2, 1)$	152 : $P_{5381} = (4, 7, 4, 1)$
45 : $P_{1183} = (29, 3, 0, 1)$	99 : $P_{3742} = (29, 19, 2, 1)$	153 : $P_{5386} = (9, 7, 4, 1)$
46 : $P_{1203} = (17, 4, 0, 1)$	100 : $P_{3787} = (10, 21, 2, 1)$	154 : $P_{5392} = (15, 7, 4, 1)$
47 : $P_{1228} = (10, 5, 0, 1)$	101 : $P_{3825} = (16, 22, 2, 1)$	155 : $P_{5431} = (22, 8, 4, 1)$
48 : $P_{1240} = (22, 5, 0, 1)$	102 : $P_{3836} = (27, 22, 2, 1)$	156 : $P_{5469} = (28, 9, 4, 1)$
49 : $P_{1242} = (24, 5, 0, 1)$	103 : $P_{3839} = (30, 22, 2, 1)$	157 : $P_{5504} = (31, 10, 4, 1)$
50 : $P_{1286} = (4, 7, 0, 1)$	104 : $P_{3843} = (2, 23, 2, 1)$	158 : $P_{5529} = (24, 11, 4, 1)$
51 : $P_{1298} = (16, 7, 0, 1)$	105 : $P_{3853} = (12, 23, 2, 1)$	159 : $P_{5611} = (10, 14, 4, 1)$
52 : $P_{1300} = (18, 7, 0, 1)$	106 : $P_{3867} = (26, 23, 2, 1)$	160 : $P_{5696} = (31, 16, 4, 1)$
53 : $P_{1359} = (13, 9, 0, 1)$	107 : $P_{3875} = (2, 24, 2, 1)$	161 : $P_{5714} = (17, 17, 4, 1)$
54 : $P_{1437} = (27, 11, 0, 1)$	108 : $P_{3884} = (11, 24, 2, 1)$	162 : $P_{5750} = (21, 18, 4, 1)$
55 : $P_{1448} = (6, 12, 0, 1)$	109 : $P_{3891} = (18, 24, 2, 1)$	163 : $P_{5767} = (6, 19, 4, 1)$
56 : $P_{1463} = (21, 12, 0, 1)$	110 : $P_{3980} = (11, 27, 2, 1)$	164 : $P_{5770} = (9, 19, 4, 1)$
57 : $P_{1472} = (30, 12, 0, 1)$	111 : $P_{4050} = (17, 29, 2, 1)$	165 : $P_{5786} = (25, 19, 4, 1)$
58 : $P_{1500} = (26, 13, 0, 1)$	112 : $P_{4083} = (18, 30, 2, 1)$	166 : $P_{5798} = (5, 20, 4, 1)$
59 : $P_{1540} = (2, 15, 0, 1)$	113 : $P_{4087} = (22, 30, 2, 1)$	167 : $P_{5802} = (9, 20, 4, 1)$
60 : $P_{1582} = (12, 16, 0, 1)$	114 : $P_{4090} = (25, 30, 2, 1)$	168 : $P_{5822} = (29, 20, 4, 1)$
61 : $P_{1609} = (7, 17, 0, 1)$	115 : $P_{4104} = (7, 31, 2, 1)$	169 : $P_{5845} = (20, 21, 4, 1)$
62 : $P_{1616} = (14, 17, 0, 1)$	116 : $P_{4137} = (8, 0, 3, 1)$	170 : $P_{5869} = (12, 22, 4, 1)$
63 : $P_{1627} = (25, 17, 0, 1)$	117 : $P_{4152} = (23, 0, 3, 1)$	171 : $P_{5924} = (3, 24, 4, 1)$
64 : $P_{1650} = (16, 18, 0, 1)$	118 : $P_{4158} = (29, 0, 3, 1)$	172 : $P_{5925} = (4, 24, 4, 1)$
65 : $P_{1739} = (9, 21, 0, 1)$	119 : $P_{4204} = (11, 2, 3, 1)$	173 : $P_{5947} = (26, 24, 4, 1)$
66 : $P_{1743} = (13, 21, 0, 1)$	120 : $P_{4308} = (19, 5, 3, 1)$	174 : $P_{5955} = (2, 25, 4, 1)$
67 : $P_{1746} = (16, 21, 0, 1)$	121 : $P_{4393} = (8, 8, 3, 1)$	175 : $P_{5966} = (13, 25, 4, 1)$
68 : $P_{1796} = (2, 23, 0, 1)$	122 : $P_{4405} = (20, 8, 3, 1)$	176 : $P_{5972} = (19, 25, 4, 1)$
69 : $P_{1809} = (15, 23, 0, 1)$	123 : $P_{4407} = (22, 8, 3, 1)$	177 : $P_{5985} = (0, 26, 4, 1)$
70 : $P_{1821} = (27, 23, 0, 1)$	124 : $P_{4451} = (2, 10, 3, 1)$	178 : $P_{6016} = (31, 26, 4, 1)$
71 : $P_{1828} = (2, 24, 0, 1)$	125 : $P_{4482} = (1, 11, 3, 1)$	179 : $P_{6063} = (14, 28, 4, 1)$

180 : $P_{6114} = (1, 30, 4, 1)$	234 : $P_{7948} = (11, 23, 6, 1)$	288 : $P_{9781} = (20, 16, 8, 1)$
181 : $P_{6149} = (4, 31, 4, 1)$	235 : $P_{7994} = (25, 24, 6, 1)$	289 : $P_{9877} = (20, 19, 8, 1)$
182 : $P_{6187} = (10, 0, 5, 1)$	236 : $P_{8028} = (27, 25, 6, 1)$	290 : $P_{9960} = (7, 22, 8, 1)$
183 : $P_{6199} = (22, 0, 5, 1)$	237 : $P_{8048} = (15, 26, 6, 1)$	291 : $P_{9985} = (0, 23, 8, 1)$
184 : $P_{6201} = (24, 0, 5, 1)$	238 : $P_{8126} = (29, 28, 6, 1)$	292 : $P_{10015} = (30, 23, 8, 1)$
185 : $P_{6246} = (5, 2, 5, 1)$	239 : $P_{8185} = (24, 30, 6, 1)$	293 : $P_{10053} = (4, 25, 8, 1)$
186 : $P_{6292} = (19, 3, 5, 1)$	240 : $P_{8229} = (4, 0, 7, 1)$	294 : $P_{10108} = (27, 26, 8, 1)$
187 : $P_{6320} = (15, 4, 5, 1)$	241 : $P_{8241} = (16, 0, 7, 1)$	295 : $P_{10132} = (19, 27, 8, 1)$
188 : $P_{6421} = (20, 7, 5, 1)$	242 : $P_{8243} = (18, 0, 7, 1)$	296 : $P_{10147} = (2, 28, 8, 1)$
189 : $P_{6448} = (15, 8, 5, 1)$	243 : $P_{8295} = (6, 2, 7, 1)$	297 : $P_{10198} = (21, 29, 8, 1)$
190 : $P_{6473} = (8, 9, 5, 1)$	244 : $P_{8357} = (4, 4, 7, 1)$	298 : $P_{10286} = (13, 0, 9, 1)$
191 : $P_{6476} = (11, 9, 5, 1)$	245 : $P_{8362} = (9, 4, 7, 1)$	299 : $P_{10360} = (23, 2, 9, 1)$
192 : $P_{6479} = (14, 9, 5, 1)$	246 : $P_{8368} = (15, 4, 7, 1)$	300 : $P_{10429} = (28, 4, 9, 1)$
193 : $P_{6507} = (10, 10, 5, 1)$	247 : $P_{8405} = (20, 5, 7, 1)$	301 : $P_{10441} = (8, 5, 9, 1)$
194 : $P_{6522} = (25, 10, 5, 1)$	248 : $P_{8434} = (17, 6, 7, 1)$	302 : $P_{10444} = (11, 5, 9, 1)$
195 : $P_{6526} = (29, 10, 5, 1)$	249 : $P_{8496} = (15, 8, 7, 1)$	303 : $P_{10447} = (14, 5, 9, 1)$
196 : $P_{6576} = (15, 12, 5, 1)$	250 : $P_{8503} = (22, 8, 7, 1)$	304 : $P_{10466} = (1, 6, 9, 1)$
197 : $P_{6593} = (0, 13, 5, 1)$	251 : $P_{8504} = (23, 8, 7, 1)$	305 : $P_{10485} = (20, 6, 9, 1)$
198 : $P_{6602} = (9, 13, 5, 1)$	252 : $P_{8530} = (17, 9, 7, 1)$	306 : $P_{10492} = (27, 6, 9, 1)$
199 : $P_{6629} = (4, 14, 5, 1)$	253 : $P_{8624} = (15, 12, 7, 1)$	307 : $P_{10514} = (17, 7, 9, 1)$
200 : $P_{6658} = (1, 15, 5, 1)$	254 : $P_{8673} = (0, 14, 7, 1)$	308 : $P_{10553} = (24, 8, 9, 1)$
201 : $P_{6678} = (21, 15, 5, 1)$	255 : $P_{8681} = (8, 14, 7, 1)$	309 : $P_{10632} = (7, 11, 9, 1)$
202 : $P_{6688} = (31, 15, 5, 1)$	256 : $P_{8722} = (17, 15, 7, 1)$	310 : $P_{10662} = (5, 12, 9, 1)$
203 : $P_{6729} = (8, 17, 5, 1)$	257 : $P_{8740} = (3, 16, 7, 1)$	311 : $P_{10702} = (13, 13, 9, 1)$
204 : $P_{6757} = (4, 18, 5, 1)$	258 : $P_{8742} = (5, 16, 7, 1)$	312 : $P_{10763} = (10, 15, 9, 1)$
205 : $P_{6903} = (22, 22, 5, 1)$	259 : $P_{8753} = (16, 16, 7, 1)$	313 : $P_{10771} = (18, 15, 9, 1)$
206 : $P_{6922} = (9, 23, 5, 1)$	260 : $P_{8776} = (7, 17, 7, 1)$	314 : $P_{10784} = (31, 15, 9, 1)$
207 : $P_{6953} = (8, 24, 5, 1)$	261 : $P_{8779} = (10, 17, 7, 1)$	315 : $P_{10813} = (28, 16, 9, 1)$
208 : $P_{6957} = (12, 24, 5, 1)$	262 : $P_{8795} = (26, 17, 7, 1)$	316 : $P_{10833} = (16, 17, 9, 1)$
209 : $P_{6969} = (24, 24, 5, 1)$	263 : $P_{8819} = (18, 18, 7, 1)$	317 : $P_{10873} = (24, 18, 9, 1)$
210 : $P_{7018} = (9, 26, 5, 1)$	264 : $P_{8871} = (6, 20, 7, 1)$	318 : $P_{10913} = (0, 20, 9, 1)$
211 : $P_{7077} = (4, 28, 5, 1)$	265 : $P_{8905} = (8, 21, 7, 1)$	319 : $P_{10941} = (28, 20, 9, 1)$
212 : $P_{7123} = (18, 29, 5, 1)$	266 : $P_{8935} = (6, 22, 7, 1)$	320 : $P_{10954} = (9, 21, 9, 1)$
213 : $P_{7139} = (2, 30, 5, 1)$	267 : $P_{9012} = (19, 24, 7, 1)$	321 : $P_{10989} = (12, 22, 9, 1)$
214 : $P_{7195} = (26, 31, 5, 1)$	268 : $P_{9084} = (27, 26, 7, 1)$	322 : $P_{11012} = (3, 23, 9, 1)$
215 : $P_{7268} = (3, 2, 6, 1)$	269 : $P_{9097} = (8, 27, 7, 1)$	323 : $P_{11079} = (6, 25, 9, 1)$
216 : $P_{7283} = (18, 2, 6, 1)$	270 : $P_{9184} = (31, 29, 7, 1)$	324 : $P_{11106} = (1, 26, 9, 1)$
217 : $P_{7285} = (20, 2, 6, 1)$	271 : $P_{9198} = (13, 30, 7, 1)$	325 : $P_{11116} = (11, 26, 9, 1)$
218 : $P_{7442} = (17, 7, 6, 1)$	272 : $P_{9218} = (1, 31, 7, 1)$	326 : $P_{11129} = (24, 26, 9, 1)$
219 : $P_{7490} = (1, 9, 6, 1)$	273 : $P_{9328} = (15, 2, 8, 1)$	327 : $P_{11170} = (1, 28, 9, 1)$
220 : $P_{7509} = (20, 9, 6, 1)$	274 : $P_{9353} = (8, 3, 8, 1)$	328 : $P_{11276} = (11, 31, 9, 1)$
221 : $P_{7516} = (27, 9, 6, 1)$	275 : $P_{9365} = (20, 3, 8, 1)$	329 : $P_{11280} = (15, 31, 9, 1)$
222 : $P_{7537} = (16, 10, 6, 1)$	276 : $P_{9367} = (22, 3, 8, 1)$	330 : $P_{11284} = (19, 31, 9, 1)$
223 : $P_{7573} = (20, 11, 6, 1)$	277 : $P_{9399} = (22, 4, 8, 1)$	331 : $P_{11369} = (8, 2, 10, 1)$
224 : $P_{7591} = (6, 12, 6, 1)$	278 : $P_{9424} = (15, 5, 8, 1)$	332 : $P_{11395} = (2, 3, 10, 1)$
225 : $P_{7620} = (3, 13, 6, 1)$	279 : $P_{9488} = (15, 7, 8, 1)$	333 : $P_{11456} = (31, 4, 10, 1)$
226 : $P_{7677} = (28, 14, 6, 1)$	280 : $P_{9495} = (22, 7, 8, 1)$	334 : $P_{11467} = (10, 5, 10, 1)$
227 : $P_{7684} = (3, 15, 6, 1)$	281 : $P_{9496} = (23, 7, 8, 1)$	335 : $P_{11482} = (25, 5, 10, 1)$
228 : $P_{7717} = (4, 16, 6, 1)$	282 : $P_{9561} = (24, 9, 8, 1)$	336 : $P_{11486} = (29, 5, 10, 1)$
229 : $P_{7721} = (8, 16, 6, 1)$	283 : $P_{9598} = (29, 10, 8, 1)$	337 : $P_{11505} = (16, 6, 10, 1)$
230 : $P_{7740} = (27, 16, 6, 1)$	284 : $P_{9649} = (16, 12, 8, 1)$	338 : $P_{11582} = (29, 8, 10, 1)$
231 : $P_{7777} = (0, 18, 6, 1)$	285 : $P_{9666} = (1, 13, 8, 1)$	339 : $P_{11656} = (7, 11, 10, 1)$
232 : $P_{7798} = (21, 18, 6, 1)$	286 : $P_{9767} = (6, 16, 8, 1)$	340 : $P_{11728} = (15, 13, 10, 1)$
233 : $P_{7843} = (2, 20, 6, 1)$	287 : $P_{9772} = (11, 16, 8, 1)$	341 : $P_{11733} = (20, 13, 10, 1)$

342 : $P_{11742} = (29, 13, 10, 1)$	396 : $P_{13543} = (6, 6, 12, 1)$	450 : $P_{15278} = (13, 28, 13, 1)$
343 : $P_{11767} = (22, 14, 10, 1)$	397 : $P_{13584} = (15, 7, 12, 1)$	451 : $P_{15280} = (15, 28, 13, 1)$
344 : $P_{11834} = (25, 16, 10, 1)$	398 : $P_{13617} = (16, 8, 12, 1)$	452 : $P_{15283} = (18, 28, 13, 1)$
345 : $P_{11872} = (31, 17, 10, 1)$	399 : $P_{13638} = (5, 9, 12, 1)$	453 : $P_{15338} = (9, 30, 13, 1)$
346 : $P_{11993} = (24, 21, 10, 1)$	400 : $P_{13710} = (13, 11, 12, 1)$	454 : $P_{15382} = (21, 31, 13, 1)$
347 : $P_{11994} = (25, 21, 10, 1)$	401 : $P_{13779} = (18, 13, 12, 1)$	455 : $P_{15458} = (1, 2, 14, 1)$
348 : $P_{12000} = (31, 21, 10, 1)$	402 : $P_{13811} = (18, 14, 12, 1)$	456 : $P_{15516} = (27, 3, 14, 1)$
349 : $P_{12029} = (28, 22, 10, 1)$	403 : $P_{13839} = (14, 15, 12, 1)$	457 : $P_{15531} = (10, 4, 14, 1)$
350 : $P_{12037} = (4, 23, 10, 1)$	404 : $P_{13844} = (19, 15, 12, 1)$	458 : $P_{15557} = (4, 5, 14, 1)$
351 : $P_{12065} = (0, 24, 10, 1)$	405 : $P_{13856} = (31, 15, 12, 1)$	459 : $P_{15613} = (28, 6, 14, 1)$
352 : $P_{12084} = (19, 24, 10, 1)$	406 : $P_{13869} = (12, 16, 12, 1)$	460 : $P_{15617} = (0, 7, 14, 1)$
353 : $P_{12118} = (21, 25, 10, 1)$	407 : $P_{13899} = (10, 17, 12, 1)$	461 : $P_{15625} = (8, 7, 14, 1)$
354 : $P_{12142} = (13, 26, 10, 1)$	408 : $P_{13922} = (1, 18, 12, 1)$	462 : $P_{15735} = (22, 10, 14, 1)$
355 : $P_{12162} = (1, 27, 10, 1)$	409 : $P_{13930} = (9, 18, 12, 1)$	463 : $P_{15795} = (18, 12, 14, 1)$
356 : $P_{12348} = (27, 0, 11, 1)$	410 : $P_{13944} = (23, 18, 12, 1)$	464 : $P_{15815} = (6, 13, 14, 1)$
357 : $P_{12418} = (1, 3, 11, 1)$	411 : $P_{13966} = (13, 19, 12, 1)$	465 : $P_{15894} = (21, 15, 14, 1)$
358 : $P_{12424} = (7, 3, 11, 1)$	412 : $P_{14020} = (3, 21, 12, 1)$	466 : $P_{15923} = (18, 16, 14, 1)$
359 : $P_{12432} = (15, 3, 11, 1)$	413 : $P_{14031} = (14, 21, 12, 1)$	467 : $P_{15943} = (6, 17, 14, 1)$
360 : $P_{12473} = (24, 4, 11, 1)$	414 : $P_{14038} = (21, 21, 12, 1)$	468 : $P_{15951} = (14, 17, 14, 1)$
361 : $P_{12533} = (20, 6, 11, 1)$	415 : $P_{14126} = (13, 24, 12, 1)$	469 : $P_{15959} = (22, 17, 14, 1)$
362 : $P_{12616} = (7, 9, 11, 1)$	416 : $P_{14156} = (11, 25, 12, 1)$	470 : $P_{16046} = (13, 20, 14, 1)$
363 : $P_{12648} = (7, 10, 11, 1)$	417 : $P_{14191} = (14, 26, 12, 1)$	471 : $P_{16177} = (16, 24, 14, 1)$
364 : $P_{12718} = (13, 12, 11, 1)$	418 : $P_{14263} = (22, 28, 12, 1)$	472 : $P_{16216} = (23, 25, 14, 1)$
365 : $P_{12760} = (23, 13, 11, 1)$	419 : $P_{14325} = (20, 30, 12, 1)$	473 : $P_{16279} = (22, 27, 14, 1)$
366 : $P_{12822} = (21, 15, 11, 1)$	420 : $P_{14330} = (25, 30, 12, 1)$	474 : $P_{16286} = (29, 27, 14, 1)$
367 : $P_{12856} = (23, 16, 11, 1)$	421 : $P_{14335} = (30, 30, 12, 1)$	475 : $P_{16288} = (31, 27, 14, 1)$
368 : $P_{12875} = (10, 17, 11, 1)$	422 : $P_{14395} = (26, 0, 13, 1)$	476 : $P_{16295} = (6, 28, 14, 1)$
369 : $P_{12880} = (15, 17, 11, 1)$	423 : $P_{14529} = (0, 5, 13, 1)$	477 : $P_{16296} = (7, 28, 14, 1)$
370 : $P_{12895} = (30, 17, 11, 1)$	424 : $P_{14538} = (9, 5, 13, 1)$	478 : $P_{16307} = (18, 28, 14, 1)$
371 : $P_{12905} = (8, 18, 11, 1)$	425 : $P_{14564} = (3, 6, 13, 1)$	479 : $P_{16378} = (25, 30, 14, 1)$
372 : $P_{12912} = (15, 18, 11, 1)$	426 : $P_{14626} = (1, 8, 13, 1)$	480 : $P_{16419} = (2, 0, 15, 1)$
373 : $P_{12928} = (31, 18, 11, 1)$	427 : $P_{14670} = (13, 9, 13, 1)$	481 : $P_{16483} = (2, 2, 15, 1)$
374 : $P_{12962} = (1, 20, 11, 1)$	428 : $P_{14704} = (15, 10, 13, 1)$	482 : $P_{16525} = (12, 3, 15, 1)$
375 : $P_{12963} = (2, 20, 11, 1)$	429 : $P_{14709} = (20, 10, 13, 1)$	483 : $P_{16578} = (1, 5, 15, 1)$
376 : $P_{12990} = (29, 20, 11, 1)$	430 : $P_{14718} = (29, 10, 13, 1)$	484 : $P_{16598} = (21, 5, 15, 1)$
377 : $P_{13005} = (12, 21, 11, 1)$	431 : $P_{14744} = (23, 11, 13, 1)$	485 : $P_{16608} = (31, 5, 15, 1)$
378 : $P_{13058} = (1, 23, 11, 1)$	432 : $P_{14771} = (18, 12, 13, 1)$	486 : $P_{16612} = (3, 6, 15, 1)$
379 : $P_{13094} = (5, 24, 11, 1)$	433 : $P_{14823} = (6, 14, 13, 1)$	487 : $P_{16658} = (17, 7, 15, 1)$
380 : $P_{13147} = (26, 25, 11, 1)$	434 : $P_{14873} = (24, 15, 13, 1)$	488 : $P_{16715} = (10, 9, 15, 1)$
381 : $P_{13170} = (17, 26, 11, 1)$	435 : $P_{14899} = (18, 16, 13, 1)$	489 : $P_{16723} = (18, 9, 15, 1)$
382 : $P_{13212} = (27, 27, 11, 1)$	436 : $P_{15007} = (30, 19, 13, 1)$	490 : $P_{16736} = (31, 9, 15, 1)$
383 : $P_{13228} = (11, 28, 11, 1)$	437 : $P_{15011} = (2, 20, 13, 1)$	491 : $P_{16790} = (21, 11, 15, 1)$
384 : $P_{13249} = (0, 29, 11, 1)$	438 : $P_{15019} = (10, 20, 13, 1)$	492 : $P_{16815} = (14, 12, 15, 1)$
385 : $P_{13272} = (23, 29, 11, 1)$	439 : $P_{15025} = (16, 20, 13, 1)$	493 : $P_{16820} = (19, 12, 15, 1)$
386 : $P_{13322} = (9, 31, 11, 1)$	440 : $P_{15046} = (5, 21, 13, 1)$	494 : $P_{16832} = (31, 12, 15, 1)$
387 : $P_{13327} = (14, 31, 11, 1)$	441 : $P_{15054} = (13, 21, 13, 1)$	495 : $P_{16857} = (24, 13, 15, 1)$
388 : $P_{13331} = (18, 31, 11, 1)$	442 : $P_{15058} = (17, 21, 13, 1)$	496 : $P_{16886} = (21, 14, 15, 1)$
389 : $P_{13351} = (6, 0, 12, 1)$	443 : $P_{15085} = (12, 22, 13, 1)$	497 : $P_{16936} = (7, 16, 15, 1)$
390 : $P_{13366} = (21, 0, 12, 1)$	444 : $P_{15088} = (15, 22, 13, 1)$	498 : $P_{17002} = (9, 18, 15, 1)$
391 : $P_{13375} = (30, 0, 12, 1)$	445 : $P_{15098} = (25, 22, 13, 1)$	499 : $P_{17004} = (11, 18, 15, 1)$
392 : $P_{13409} = (0, 2, 12, 1)$	446 : $P_{15127} = (22, 23, 13, 1)$	500 : $P_{17023} = (30, 18, 15, 1)$
393 : $P_{13424} = (15, 2, 12, 1)$	447 : $P_{15156} = (19, 24, 13, 1)$	501 : $P_{17086} = (29, 20, 15, 1)$
394 : $P_{13459} = (18, 3, 12, 1)$	448 : $P_{15227} = (26, 26, 13, 1)$	502 : $P_{17121} = (0, 22, 15, 1)$
395 : $P_{13520} = (15, 5, 12, 1)$	449 : $P_{15242} = (9, 27, 13, 1)$	503 : $P_{17145} = (24, 22, 15, 1)$

504 : $P_{17168} = (15, 23, 15, 1)$	558 : $P_{18832} = (15, 11, 17, 1)$	612 : $P_{20606} = (29, 2, 19, 1)$
505 : $P_{17186} = (1, 24, 15, 1)$	559 : $P_{18847} = (30, 11, 17, 1)$	613 : $P_{20620} = (11, 3, 19, 1)$
506 : $P_{17276} = (27, 26, 15, 1)$	560 : $P_{18859} = (10, 12, 17, 1)$	614 : $P_{20647} = (6, 4, 19, 1)$
507 : $P_{17305} = (24, 27, 15, 1)$	561 : $P_{18919} = (6, 14, 17, 1)$	615 : $P_{20650} = (9, 4, 19, 1)$
508 : $P_{17339} = (26, 28, 15, 1)$	562 : $P_{18927} = (14, 14, 17, 1)$	616 : $P_{20666} = (25, 4, 19, 1)$
509 : $P_{17346} = (1, 29, 15, 1)$	563 : $P_{18935} = (22, 14, 17, 1)$	617 : $P_{20789} = (20, 8, 19, 1)$
510 : $P_{17349} = (4, 29, 15, 1)$	564 : $P_{19008} = (31, 16, 17, 1)$	618 : $P_{20910} = (13, 12, 19, 1)$
511 : $P_{17367} = (22, 29, 15, 1)$	565 : $P_{19044} = (3, 18, 17, 1)$	619 : $P_{20959} = (30, 13, 19, 1)$
512 : $P_{17437} = (28, 31, 15, 1)$	566 : $P_{19077} = (4, 19, 17, 1)$	620 : $P_{21026} = (1, 16, 19, 1)$
513 : $P_{17453} = (12, 0, 16, 1)$	567 : $P_{19166} = (29, 21, 17, 1)$	621 : $P_{21061} = (4, 17, 19, 1)$
514 : $P_{17537} = (0, 3, 16, 1)$	568 : $P_{19178} = (9, 22, 17, 1)$	622 : $P_{21112} = (23, 18, 19, 1)$
515 : $P_{17555} = (18, 3, 16, 1)$	569 : $P_{19217} = (16, 23, 17, 1)$	623 : $P_{21160} = (7, 20, 19, 1)$
516 : $P_{17600} = (31, 4, 16, 1)$	570 : $P_{19244} = (11, 24, 17, 1)$	624 : $P_{21212} = (27, 21, 19, 1)$
517 : $P_{17637} = (4, 6, 16, 1)$	571 : $P_{19290} = (25, 25, 17, 1)$	625 : $P_{21219} = (2, 22, 19, 1)$
518 : $P_{17641} = (8, 6, 16, 1)$	572 : $P_{19328} = (31, 26, 17, 1)$	626 : $P_{21292} = (11, 24, 19, 1)$
519 : $P_{17660} = (27, 6, 16, 1)$	573 : $P_{19329} = (0, 27, 17, 1)$	627 : $P_{21309} = (28, 24, 19, 1)$
520 : $P_{17668} = (3, 7, 16, 1)$	574 : $P_{19340} = (11, 27, 17, 1)$	628 : $P_{21310} = (29, 24, 19, 1)$
521 : $P_{17670} = (5, 7, 16, 1)$	575 : $P_{19441} = (16, 30, 17, 1)$	629 : $P_{21351} = (6, 26, 19, 1)$
522 : $P_{17681} = (16, 7, 16, 1)$	576 : $P_{19458} = (1, 31, 17, 1)$	630 : $P_{21364} = (19, 26, 19, 1)$
523 : $P_{17703} = (6, 8, 16, 1)$	577 : $P_{19475} = (18, 31, 17, 1)$	631 : $P_{21374} = (29, 26, 19, 1)$
524 : $P_{17708} = (11, 8, 16, 1)$	578 : $P_{19485} = (28, 31, 17, 1)$	632 : $P_{21388} = (11, 27, 19, 1)$
525 : $P_{17717} = (20, 8, 16, 1)$	579 : $P_{19505} = (16, 0, 18, 1)$	633 : $P_{21409} = (0, 28, 19, 1)$
526 : $P_{17757} = (28, 9, 16, 1)$	580 : $P_{19574} = (21, 2, 18, 1)$	634 : $P_{21423} = (14, 28, 19, 1)$
527 : $P_{17786} = (25, 10, 16, 1)$	581 : $P_{19594} = (9, 3, 18, 1)$	635 : $P_{21465} = (24, 29, 19, 1)$
528 : $P_{17816} = (23, 11, 16, 1)$	582 : $P_{19595} = (10, 3, 18, 1)$	636 : $P_{21479} = (6, 30, 19, 1)$
529 : $P_{17837} = (12, 12, 16, 1)$	583 : $P_{19604} = (19, 3, 18, 1)$	637 : $P_{21664} = (31, 3, 20, 1)$
530 : $P_{17875} = (18, 13, 16, 1)$	584 : $P_{19638} = (21, 4, 18, 1)$	638 : $P_{21670} = (5, 4, 20, 1)$
531 : $P_{17907} = (18, 14, 16, 1)$	585 : $P_{19653} = (4, 5, 18, 1)$	639 : $P_{21674} = (9, 4, 20, 1)$
532 : $P_{17928} = (7, 15, 16, 1)$	586 : $P_{19681} = (0, 6, 18, 1)$	640 : $P_{21694} = (29, 4, 20, 1)$
533 : $P_{18016} = (31, 17, 16, 1)$	587 : $P_{19702} = (21, 6, 18, 1)$	641 : $P_{21731} = (2, 6, 20, 1)$
534 : $P_{18033} = (16, 18, 16, 1)$	588 : $P_{19731} = (18, 7, 18, 1)$	642 : $P_{21767} = (6, 7, 20, 1)$
535 : $P_{18050} = (1, 19, 16, 1)$	589 : $P_{19801} = (24, 9, 18, 1)$	643 : $P_{21825} = (0, 9, 20, 1)$
536 : $P_{18124} = (11, 21, 16, 1)$	590 : $P_{19849} = (8, 11, 18, 1)$	644 : $P_{21853} = (28, 9, 20, 1)$
537 : $P_{18129} = (16, 21, 16, 1)$	591 : $P_{19856} = (15, 11, 18, 1)$	645 : $P_{21890} = (1, 11, 20, 1)$
538 : $P_{18144} = (31, 21, 16, 1)$	592 : $P_{19872} = (31, 11, 18, 1)$	646 : $P_{21891} = (2, 11, 20, 1)$
539 : $P_{18207} = (30, 23, 16, 1)$	593 : $P_{19874} = (1, 12, 18, 1)$	647 : $P_{21918} = (29, 11, 20, 1)$
540 : $P_{18267} = (26, 25, 16, 1)$	594 : $P_{19882} = (9, 12, 18, 1)$	648 : $P_{21955} = (2, 13, 20, 1)$
541 : $P_{18366} = (29, 28, 16, 1)$	595 : $P_{19896} = (23, 12, 18, 1)$	649 : $P_{21963} = (10, 13, 20, 1)$
542 : $P_{18380} = (11, 29, 16, 1)$	596 : $P_{19978} = (9, 15, 18, 1)$	650 : $P_{21969} = (16, 13, 20, 1)$
543 : $P_{18386} = (17, 29, 16, 1)$	597 : $P_{19980} = (11, 15, 18, 1)$	651 : $P_{21998} = (13, 14, 20, 1)$
544 : $P_{18391} = (22, 29, 16, 1)$	598 : $P_{19999} = (30, 15, 18, 1)$	652 : $P_{22046} = (29, 15, 20, 1)$
545 : $P_{18415} = (14, 30, 16, 1)$	599 : $P_{20017} = (16, 16, 18, 1)$	653 : $P_{22152} = (7, 19, 20, 1)$
546 : $P_{18472} = (7, 0, 17, 1)$	600 : $P_{20036} = (3, 17, 18, 1)$	654 : $P_{22221} = (12, 21, 20, 1)$
547 : $P_{18479} = (14, 0, 17, 1)$	601 : $P_{20120} = (23, 19, 18, 1)$	655 : $P_{22295} = (22, 23, 20, 1)$
548 : $P_{18490} = (25, 0, 17, 1)$	602 : $P_{20162} = (1, 21, 18, 1)$	656 : $P_{22320} = (15, 24, 20, 1)$
549 : $P_{18572} = (11, 3, 17, 1)$	603 : $P_{20218} = (25, 22, 18, 1)$	657 : $P_{22389} = (20, 26, 20, 1)$
550 : $P_{18610} = (17, 4, 17, 1)$	604 : $P_{20262} = (5, 24, 18, 1)$	658 : $P_{22406} = (5, 27, 20, 1)$
551 : $P_{18633} = (8, 5, 17, 1)$	605 : $P_{20290} = (1, 25, 18, 1)$	659 : $P_{22469} = (4, 29, 20, 1)$
552 : $P_{18696} = (7, 7, 17, 1)$	606 : $P_{20295} = (6, 25, 18, 1)$	660 : $P_{22520} = (23, 30, 20, 1)$
553 : $P_{18699} = (10, 7, 17, 1)$	607 : $P_{20302} = (13, 25, 18, 1)$	661 : $P_{22534} = (5, 31, 20, 1)$
554 : $P_{18715} = (26, 7, 17, 1)$	608 : $P_{20381} = (28, 27, 18, 1)$	662 : $P_{22570} = (9, 0, 21, 1)$
555 : $P_{18769} = (16, 9, 17, 1)$	609 : $P_{20411} = (26, 28, 18, 1)$	663 : $P_{22574} = (13, 0, 21, 1)$
556 : $P_{18816} = (31, 10, 17, 1)$	610 : $P_{20434} = (17, 29, 18, 1)$	664 : $P_{22577} = (16, 0, 21, 1)$
557 : $P_{18827} = (10, 11, 17, 1)$	611 : $P_{20504} = (23, 31, 18, 1)$	665 : $P_{22635} = (10, 2, 21, 1)$

666 : $P_{22659} = (2, 3, 21, 1)$	720 : $P_{24611} = (2, 0, 23, 1)$	774 : $P_{26114} = (1, 15, 24, 1)$
667 : $P_{22709} = (20, 4, 21, 1)$	721 : $P_{24624} = (15, 0, 23, 1)$	775 : $P_{26188} = (11, 17, 24, 1)$
668 : $P_{22793} = (8, 7, 21, 1)$	722 : $P_{24636} = (27, 0, 23, 1)$	776 : $P_{26214} = (5, 18, 24, 1)$
669 : $P_{22858} = (9, 9, 21, 1)$	723 : $P_{24675} = (2, 2, 23, 1)$	777 : $P_{26252} = (11, 19, 24, 1)$
670 : $P_{22905} = (24, 10, 21, 1)$	724 : $P_{24685} = (12, 2, 23, 1)$	778 : $P_{26269} = (28, 19, 24, 1)$
671 : $P_{22906} = (25, 10, 21, 1)$	725 : $P_{24699} = (26, 2, 23, 1)$	779 : $P_{26270} = (29, 19, 24, 1)$
672 : $P_{22912} = (31, 10, 21, 1)$	726 : $P_{24722} = (17, 3, 23, 1)$	780 : $P_{26288} = (15, 20, 24, 1)$
673 : $P_{22925} = (12, 11, 21, 1)$	727 : $P_{24724} = (19, 3, 23, 1)$	781 : $P_{26399} = (30, 23, 24, 1)$
674 : $P_{22948} = (3, 12, 21, 1)$	728 : $P_{24728} = (23, 3, 23, 1)$	782 : $P_{26438} = (5, 25, 24, 1)$
675 : $P_{22959} = (14, 12, 21, 1)$	729 : $P_{24778} = (9, 5, 23, 1)$	783 : $P_{26522} = (25, 27, 24, 1)$
676 : $P_{22966} = (21, 12, 21, 1)$	730 : $P_{24812} = (11, 6, 23, 1)$	784 : $P_{26586} = (25, 29, 24, 1)$
677 : $P_{22982} = (5, 13, 21, 1)$	731 : $P_{24865} = (0, 8, 23, 1)$	785 : $P_{26656} = (31, 31, 24, 1)$
678 : $P_{22990} = (13, 13, 21, 1)$	732 : $P_{24895} = (30, 8, 23, 1)$	786 : $P_{26787} = (2, 4, 25, 1)$
679 : $P_{22994} = (17, 13, 21, 1)$	733 : $P_{24900} = (3, 9, 23, 1)$	787 : $P_{26798} = (13, 4, 25, 1)$
680 : $P_{23084} = (11, 16, 21, 1)$	734 : $P_{24933} = (4, 10, 23, 1)$	788 : $P_{26804} = (19, 4, 25, 1)$
681 : $P_{23089} = (16, 16, 21, 1)$	735 : $P_{24962} = (1, 11, 23, 1)$	789 : $P_{26876} = (27, 6, 25, 1)$
682 : $P_{23104} = (31, 16, 21, 1)$	736 : $P_{25047} = (22, 13, 23, 1)$	790 : $P_{26917} = (4, 8, 25, 1)$
683 : $P_{23134} = (29, 17, 21, 1)$	737 : $P_{25104} = (15, 15, 23, 1)$	791 : $P_{26951} = (6, 9, 25, 1)$
684 : $P_{23138} = (1, 18, 21, 1)$	738 : $P_{25151} = (30, 16, 23, 1)$	792 : $P_{26998} = (21, 10, 25, 1)$
685 : $P_{23196} = (27, 19, 21, 1)$	739 : $P_{25169} = (16, 17, 23, 1)$	793 : $P_{27035} = (26, 11, 25, 1)$
686 : $P_{23213} = (12, 20, 21, 1)$	740 : $P_{25271} = (22, 20, 23, 1)$	794 : $P_{27052} = (11, 12, 25, 1)$
687 : $P_{23283} = (18, 22, 21, 1)$	741 : $P_{25316} = (3, 22, 23, 1)$	795 : $P_{27128} = (23, 14, 25, 1)$
688 : $P_{23381} = (20, 25, 21, 1)$	742 : $P_{25407} = (30, 24, 23, 1)$	796 : $P_{27195} = (26, 16, 25, 1)$
689 : $P_{23424} = (31, 26, 21, 1)$	743 : $P_{25431} = (22, 25, 23, 1)$	797 : $P_{27226} = (25, 17, 25, 1)$
690 : $P_{23467} = (10, 28, 21, 1)$	744 : $P_{25466} = (25, 26, 23, 1)$	798 : $P_{27234} = (1, 18, 25, 1)$
691 : $P_{23509} = (20, 29, 21, 1)$	745 : $P_{25482} = (9, 27, 23, 1)$	799 : $P_{27239} = (6, 18, 25, 1)$
692 : $P_{23521} = (0, 30, 21, 1)$	746 : $P_{25500} = (27, 27, 23, 1)$	800 : $P_{27246} = (13, 18, 25, 1)$
693 : $P_{23531} = (10, 30, 21, 1)$	747 : $P_{25504} = (31, 27, 23, 1)$	801 : $P_{27349} = (20, 21, 25, 1)$
694 : $P_{23565} = (12, 31, 21, 1)$	748 : $P_{25519} = (14, 28, 23, 1)$	802 : $P_{27374} = (13, 22, 25, 1)$
695 : $P_{23665} = (16, 2, 22, 1)$	749 : $P_{25578} = (9, 30, 23, 1)$	803 : $P_{27415} = (22, 23, 25, 1)$
696 : $P_{23676} = (27, 2, 22, 1)$	750 : $P_{25589} = (20, 30, 23, 1)$	804 : $P_{27430} = (5, 24, 25, 1)$
697 : $P_{23679} = (30, 2, 22, 1)$	751 : $P_{25590} = (21, 30, 23, 1)$	805 : $P_{27527} = (6, 27, 25, 1)$
698 : $P_{23725} = (12, 4, 22, 1)$	752 : $P_{25604} = (3, 31, 23, 1)$	806 : $P_{27547} = (26, 27, 25, 1)$
699 : $P_{23767} = (22, 5, 22, 1)$	753 : $P_{25635} = (2, 0, 24, 1)$	807 : $P_{27552} = (31, 27, 25, 1)$
700 : $P_{23815} = (6, 7, 22, 1)$	754 : $P_{25637} = (4, 0, 24, 1)$	808 : $P_{27562} = (9, 28, 25, 1)$
701 : $P_{23848} = (7, 8, 22, 1)$	755 : $P_{25664} = (31, 0, 24, 1)$	809 : $P_{27649} = (0, 31, 25, 1)$
702 : $P_{23885} = (12, 9, 22, 1)$	756 : $P_{25699} = (2, 2, 24, 1)$	810 : $P_{27656} = (7, 31, 25, 1)$
703 : $P_{23933} = (28, 10, 22, 1)$	757 : $P_{25708} = (11, 2, 24, 1)$	811 : $P_{27700} = (19, 0, 26, 1)$
704 : $P_{24013} = (12, 13, 22, 1)$	758 : $P_{25715} = (18, 2, 24, 1)$	812 : $P_{27701} = (20, 0, 26, 1)$
705 : $P_{24016} = (15, 13, 22, 1)$	759 : $P_{25735} = (6, 3, 24, 1)$	813 : $P_{27709} = (28, 0, 26, 1)$
706 : $P_{24026} = (25, 13, 22, 1)$	760 : $P_{25764} = (3, 4, 24, 1)$	814 : $P_{27807} = (30, 3, 26, 1)$
707 : $P_{24065} = (0, 15, 22, 1)$	761 : $P_{25765} = (4, 4, 24, 1)$	815 : $P_{27809} = (0, 4, 26, 1)$
708 : $P_{24089} = (24, 15, 22, 1)$	762 : $P_{25787} = (26, 4, 24, 1)$	816 : $P_{27840} = (31, 4, 26, 1)$
709 : $P_{24138} = (9, 17, 22, 1)$	763 : $P_{25801} = (8, 5, 24, 1)$	817 : $P_{27850} = (9, 5, 26, 1)$
710 : $P_{24186} = (25, 18, 22, 1)$	764 : $P_{25805} = (12, 5, 24, 1)$	818 : $P_{27888} = (15, 6, 26, 1)$
711 : $P_{24195} = (2, 19, 22, 1)$	765 : $P_{25817} = (24, 5, 24, 1)$	819 : $P_{27932} = (27, 7, 26, 1)$
712 : $P_{24275} = (18, 21, 22, 1)$	766 : $P_{25850} = (25, 6, 24, 1)$	820 : $P_{27964} = (27, 8, 26, 1)$
713 : $P_{24324} = (3, 23, 22, 1)$	767 : $P_{25876} = (19, 7, 24, 1)$	821 : $P_{27970} = (1, 9, 26, 1)$
714 : $P_{24398} = (13, 25, 22, 1)$	768 : $P_{25953} = (0, 10, 24, 1)$	822 : $P_{27980} = (11, 9, 26, 1)$
715 : $P_{24510} = (29, 28, 22, 1)$	769 : $P_{25972} = (19, 10, 24, 1)$	823 : $P_{27993} = (24, 9, 26, 1)$
716 : $P_{24529} = (16, 29, 22, 1)$	770 : $P_{25990} = (5, 11, 24, 1)$	824 : $P_{28014} = (13, 10, 26, 1)$
717 : $P_{24578} = (1, 31, 22, 1)$	771 : $P_{26030} = (13, 12, 24, 1)$	825 : $P_{28050} = (17, 11, 26, 1)$
718 : $P_{24593} = (16, 31, 22, 1)$	772 : $P_{26068} = (19, 13, 24, 1)$	826 : $P_{28079} = (14, 12, 26, 1)$
719 : $P_{24602} = (25, 31, 22, 1)$	773 : $P_{26097} = (16, 14, 24, 1)$	827 : $P_{28123} = (26, 13, 26, 1)$

828 : $P_{28188} = (27, 15, 26, 1)$	882 : $P_{29893} = (4, 5, 28, 1)$	936 : $P_{31863} = (22, 2, 30, 1)$
829 : $P_{28256} = (31, 17, 26, 1)$	883 : $P_{29950} = (29, 6, 28, 1)$	937 : $P_{31866} = (25, 2, 30, 1)$
830 : $P_{28295} = (6, 19, 26, 1)$	884 : $P_{29987} = (2, 8, 28, 1)$	938 : $P_{31906} = (1, 4, 30, 1)$
831 : $P_{28308} = (19, 19, 26, 1)$	885 : $P_{30018} = (1, 9, 28, 1)$	939 : $P_{31939} = (2, 5, 30, 1)$
832 : $P_{28318} = (29, 19, 26, 1)$	886 : $P_{30092} = (11, 11, 28, 1)$	940 : $P_{31993} = (24, 6, 30, 1)$
833 : $P_{28341} = (20, 20, 26, 1)$	887 : $P_{30135} = (22, 12, 28, 1)$	941 : $P_{32014} = (13, 7, 30, 1)$
834 : $P_{28384} = (31, 21, 26, 1)$	888 : $P_{30158} = (13, 13, 28, 1)$	942 : $P_{32181} = (20, 12, 30, 1)$
835 : $P_{28442} = (25, 23, 26, 1)$	889 : $P_{30160} = (15, 13, 28, 1)$	943 : $P_{32186} = (25, 12, 30, 1)$
836 : $P_{28554} = (9, 27, 26, 1)$	890 : $P_{30163} = (18, 13, 28, 1)$	944 : $P_{32191} = (30, 12, 30, 1)$
837 : $P_{28582} = (5, 28, 26, 1)$	891 : $P_{30183} = (6, 14, 28, 1)$	945 : $P_{32202} = (9, 13, 30, 1)$
838 : $P_{28605} = (28, 28, 26, 1)$	892 : $P_{30184} = (7, 14, 28, 1)$	946 : $P_{32250} = (25, 14, 30, 1)$
839 : $P_{28607} = (30, 28, 26, 1)$	893 : $P_{30195} = (18, 14, 28, 1)$	947 : $P_{32303} = (14, 16, 30, 1)$
840 : $P_{28650} = (9, 30, 26, 1)$	894 : $P_{30235} = (26, 15, 28, 1)$	948 : $P_{32337} = (16, 17, 30, 1)$
841 : $P_{28681} = (8, 31, 26, 1)$	895 : $P_{30270} = (29, 16, 28, 1)$	949 : $P_{32391} = (6, 19, 30, 1)$
842 : $P_{28691} = (18, 31, 26, 1)$	896 : $P_{30331} = (26, 18, 28, 1)$	950 : $P_{32440} = (23, 20, 30, 1)$
843 : $P_{28703} = (30, 31, 26, 1)$	897 : $P_{30337} = (0, 19, 28, 1)$	951 : $P_{32449} = (0, 21, 30, 1)$
844 : $P_{28708} = (3, 0, 27, 1)$	898 : $P_{30351} = (14, 19, 28, 1)$	952 : $P_{32459} = (10, 21, 30, 1)$
845 : $P_{28780} = (11, 2, 27, 1)$	899 : $P_{30411} = (10, 21, 28, 1)$	953 : $P_{32522} = (9, 23, 30, 1)$
846 : $P_{28804} = (3, 3, 27, 1)$	900 : $P_{30462} = (29, 22, 28, 1)$	954 : $P_{32533} = (20, 23, 30, 1)$
847 : $P_{28937} = (8, 7, 27, 1)$	901 : $P_{30479} = (14, 23, 28, 1)$	955 : $P_{32534} = (21, 23, 30, 1)$
848 : $P_{28980} = (19, 8, 27, 1)$	902 : $P_{30538} = (9, 25, 28, 1)$	956 : $P_{32618} = (9, 26, 30, 1)$
849 : $P_{29026} = (1, 10, 27, 1)$	903 : $P_{30566} = (5, 26, 28, 1)$	957 : $P_{32661} = (20, 27, 30, 1)$
850 : $P_{29084} = (27, 11, 27, 1)$	904 : $P_{30589} = (28, 26, 28, 1)$	958 : $P_{32732} = (27, 29, 30, 1)$
851 : $P_{29130} = (9, 13, 27, 1)$	905 : $P_{30591} = (30, 26, 28, 1)$	959 : $P_{32797} = (28, 31, 30, 1)$
852 : $P_{29175} = (22, 14, 27, 1)$	906 : $P_{30605} = (12, 27, 28, 1)$	960 : $P_{32805} = (4, 0, 31, 1)$
853 : $P_{29182} = (29, 14, 27, 1)$	907 : $P_{30610} = (17, 27, 28, 1)$	961 : $P_{32872} = (7, 2, 31, 1)$
854 : $P_{29184} = (31, 14, 27, 1)$	908 : $P_{30620} = (27, 27, 28, 1)$	962 : $P_{32899} = (2, 3, 31, 1)$
855 : $P_{29209} = (24, 15, 27, 1)$	909 : $P_{30683} = (26, 29, 28, 1)$	963 : $P_{32933} = (4, 4, 31, 1)$
856 : $P_{29249} = (0, 17, 27, 1)$	910 : $P_{30834} = (17, 2, 29, 1)$	964 : $P_{32987} = (26, 5, 31, 1)$
857 : $P_{29260} = (11, 17, 27, 1)$	911 : $P_{30878} = (29, 3, 29, 1)$	965 : $P_{33026} = (1, 7, 31, 1)$
858 : $P_{29309} = (28, 18, 27, 1)$	912 : $P_{30931} = (18, 5, 29, 1)$	966 : $P_{33100} = (11, 9, 31, 1)$
859 : $P_{29324} = (11, 19, 27, 1)$	913 : $P_{31008} = (31, 7, 29, 1)$	967 : $P_{33104} = (15, 9, 31, 1)$
860 : $P_{29350} = (5, 20, 27, 1)$	914 : $P_{31030} = (21, 8, 29, 1)$	968 : $P_{33108} = (19, 9, 31, 1)$
861 : $P_{29450} = (9, 23, 27, 1)$	915 : $P_{31105} = (0, 11, 29, 1)$	969 : $P_{33162} = (9, 11, 31, 1)$
862 : $P_{29468} = (27, 23, 27, 1)$	916 : $P_{31128} = (23, 11, 29, 1)$	970 : $P_{33167} = (14, 11, 31, 1)$
863 : $P_{29472} = (31, 23, 27, 1)$	917 : $P_{31234} = (1, 15, 29, 1)$	971 : $P_{33171} = (18, 11, 31, 1)$
864 : $P_{29498} = (25, 24, 27, 1)$	918 : $P_{31237} = (4, 15, 29, 1)$	972 : $P_{33238} = (21, 13, 31, 1)$
865 : $P_{29511} = (6, 25, 27, 1)$	919 : $P_{31255} = (22, 15, 29, 1)$	973 : $P_{33309} = (28, 15, 31, 1)$
866 : $P_{29531} = (26, 25, 27, 1)$	920 : $P_{31276} = (11, 16, 29, 1)$	974 : $P_{33346} = (1, 17, 31, 1)$
867 : $P_{29536} = (31, 25, 27, 1)$	921 : $P_{31282} = (17, 16, 29, 1)$	975 : $P_{33363} = (18, 17, 31, 1)$
868 : $P_{29546} = (9, 26, 27, 1)$	922 : $P_{31287} = (22, 16, 29, 1)$	976 : $P_{33373} = (28, 17, 31, 1)$
869 : $P_{29613} = (12, 28, 27, 1)$	923 : $P_{31346} = (17, 18, 29, 1)$	977 : $P_{33400} = (23, 18, 31, 1)$
870 : $P_{29618} = (17, 28, 27, 1)$	924 : $P_{31385} = (24, 19, 29, 1)$	978 : $P_{33446} = (5, 20, 31, 1)$
871 : $P_{29628} = (27, 28, 27, 1)$	925 : $P_{31397} = (4, 20, 29, 1)$	979 : $P_{33485} = (12, 21, 31, 1)$
872 : $P_{29637} = (4, 29, 27, 1)$	926 : $P_{31445} = (20, 21, 29, 1)$	980 : $P_{33506} = (1, 22, 31, 1)$
873 : $P_{29646} = (13, 29, 27, 1)$	927 : $P_{31473} = (16, 22, 29, 1)$	981 : $P_{33521} = (16, 22, 31, 1)$
874 : $P_{29647} = (14, 29, 27, 1)$	928 : $P_{31546} = (25, 24, 29, 1)$	982 : $P_{33530} = (25, 22, 31, 1)$
875 : $P_{29685} = (20, 30, 27, 1)$	929 : $P_{31621} = (4, 27, 29, 1)$	983 : $P_{33540} = (3, 23, 31, 1)$
876 : $P_{29704} = (7, 31, 27, 1)$	930 : $P_{31630} = (13, 27, 29, 1)$	984 : $P_{33600} = (31, 24, 31, 1)$
877 : $P_{29740} = (11, 0, 28, 1)$	931 : $P_{31631} = (14, 27, 29, 1)$	985 : $P_{33601} = (0, 25, 31, 1)$
878 : $P_{29742} = (13, 0, 28, 1)$	932 : $P_{31675} = (26, 28, 29, 1)$	986 : $P_{33608} = (7, 25, 31, 1)$
879 : $P_{29756} = (27, 0, 28, 1)$	933 : $P_{31740} = (27, 30, 29, 1)$	987 : $P_{33641} = (8, 26, 31, 1)$
880 : $P_{29843} = (18, 3, 28, 1)$	934 : $P_{31767} = (22, 31, 29, 1)$	988 : $P_{33651} = (18, 26, 31, 1)$
881 : $P_{29871} = (14, 4, 28, 1)$	935 : $P_{31859} = (18, 2, 30, 1)$	989 : $P_{33663} = (30, 26, 31, 1)$

$$990 : P_{33672} = (7, 27, 31, 1)$$

$$991 : P_{33751} = (22, 29, 31, 1)$$

$$992 : P_{33789} = (28, 30, 31, 1)$$