

Rank-65868 over GF(32)

January 15, 2021

The equation

The equation of the surface is :

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

(1, 0, 0, 1, 0, 0, 1, 0, 1, 0, 0, 0, 0, 0, 0, 1, 0, 0, 0)
The point rank of the equation over GF(32) is -2112814042

General information

Number of lines	0
Number of points	993
Number of singular points	1
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 1 singular points:

$$0 : P_2 = \mathbf{P}(0, 0, 1, 0) = \mathbf{P}(0, 0, 1, 0)$$

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 : $P_1 = (0, 1, 0, 0)$	27 : $P_{887} = (20, 26, 1, 0)$
1 : $P_2 = (0, 0, 1, 0)$	28 : $P_{898} = (31, 26, 1, 0)$
2 : $P_{112} = (13, 2, 1, 0)$	29 : $P_{915} = (16, 27, 1, 0)$
3 : $P_{146} = (15, 3, 1, 0)$	30 : $P_{1024} = (29, 30, 1, 0)$
4 : $P_{149} = (18, 3, 1, 0)$	31 : $P_{1054} = (27, 31, 1, 0)$
5 : $P_{160} = (29, 3, 1, 0)$	32 : $P_{2114} = (0, 1, 1, 1)$
6 : $P_{190} = (27, 4, 1, 0)$	33 : $P_{2167} = (22, 2, 1, 1)$
7 : $P_{204} = (9, 5, 1, 0)$	34 : $P_{2234} = (25, 4, 1, 1)$
8 : $P_{217} = (22, 5, 1, 0)$	35 : $P_{2302} = (29, 6, 1, 1)$
9 : $P_{226} = (31, 5, 1, 0)$	36 : $P_{2319} = (14, 7, 1, 1)$
10 : $P_{316} = (25, 8, 1, 0)$	37 : $P_{2383} = (14, 9, 1, 1)$
11 : $P_{327} = (4, 9, 1, 0)$	38 : $P_{2463} = (30, 11, 1, 1)$
12 : $P_{361} = (6, 10, 1, 0)$	39 : $P_{2517} = (20, 13, 1, 1)$
13 : $P_{403} = (16, 11, 1, 0)$	40 : $P_{2580} = (19, 15, 1, 1)$
14 : $P_{425} = (6, 12, 1, 0)$	41 : $P_{2599} = (6, 16, 1, 1)$
15 : $P_{428} = (9, 12, 1, 0)$	42 : $P_{2667} = (10, 18, 1, 1)$
16 : $P_{434} = (15, 12, 1, 0)$	43 : $P_{2743} = (22, 20, 1, 1)$
17 : $P_{455} = (4, 13, 1, 0)$	44 : $P_{2783} = (30, 21, 1, 1)$
18 : $P_{503} = (20, 14, 1, 0)$	45 : $P_{2791} = (6, 22, 1, 1)$
19 : $P_{528} = (13, 15, 1, 0)$	46 : $P_{2825} = (8, 23, 1, 1)$
20 : $P_{549} = (2, 16, 1, 0)$	47 : $P_{2859} = (10, 24, 1, 1)$
21 : $P_{590} = (11, 17, 1, 0)$	48 : $P_{2901} = (20, 25, 1, 1)$
22 : $P_{597} = (18, 17, 1, 0)$	49 : $P_{2974} = (29, 27, 1, 1)$
23 : $P_{604} = (25, 17, 1, 0)$	50 : $P_{2996} = (19, 28, 1, 1)$
24 : $P_{613} = (2, 18, 1, 0)$	51 : $P_{3034} = (25, 29, 1, 1)$
25 : $P_{665} = (22, 19, 1, 0)$	52 : $P_{3081} = (8, 31, 1, 1)$
26 : $P_{878} = (11, 26, 1, 0)$	53 : $P_{3158} = (21, 1, 2, 1)$

54 : $P_{3185} = (16, 2, 2, 1)$	108 : $P_{5148} = (27, 31, 3, 1)$
55 : $P_{3247} = (14, 4, 2, 1)$	109 : $P_{5213} = (28, 1, 4, 1)$
56 : $P_{3298} = (1, 6, 2, 1)$	110 : $P_{5294} = (13, 4, 4, 1)$
57 : $P_{3314} = (17, 6, 2, 1)$	111 : $P_{5372} = (27, 6, 4, 1)$
58 : $P_{3330} = (1, 7, 2, 1)$	112 : $P_{5454} = (13, 9, 4, 1)$
59 : $P_{3339} = (10, 7, 2, 1)$	113 : $P_{5631} = (30, 14, 4, 1)$
60 : $P_{3439} = (14, 10, 2, 1)$	114 : $P_{5695} = (30, 16, 4, 1)$
61 : $P_{3508} = (19, 12, 2, 1)$	115 : $P_{5729} = (0, 18, 4, 1)$
62 : $P_{3531} = (10, 13, 2, 1)$	116 : $P_{5737} = (8, 18, 4, 1)$
63 : $P_{3539} = (18, 13, 2, 1)$	117 : $P_{5738} = (9, 18, 4, 1)$
64 : $P_{3546} = (25, 13, 2, 1)$	118 : $P_{5794} = (1, 20, 4, 1)$
65 : $P_{3580} = (27, 14, 2, 1)$	119 : $P_{5805} = (12, 20, 4, 1)$
66 : $P_{3697} = (16, 18, 2, 1)$	120 : $P_{5826} = (1, 21, 4, 1)$
67 : $P_{3758} = (13, 20, 2, 1)$	121 : $P_{5839} = (14, 21, 4, 1)$
68 : $P_{3766} = (21, 20, 2, 1)$	122 : $P_{5933} = (12, 24, 4, 1)$
69 : $P_{3770} = (25, 20, 2, 1)$	123 : $P_{5993} = (8, 26, 4, 1)$
70 : $P_{3804} = (27, 21, 2, 1)$	124 : $P_{6023} = (6, 27, 4, 1)$
71 : $P_{3858} = (17, 23, 2, 1)$	125 : $P_{6026} = (9, 27, 4, 1)$
72 : $P_{3918} = (13, 25, 2, 1)$	126 : $P_{6031} = (14, 27, 4, 1)$
73 : $P_{4097} = (0, 31, 2, 1)$	127 : $P_{6051} = (2, 28, 4, 1)$
74 : $P_{4115} = (18, 31, 2, 1)$	128 : $P_{6087} = (6, 29, 4, 1)$
75 : $P_{4116} = (19, 31, 2, 1)$	129 : $P_{6108} = (27, 29, 4, 1)$
76 : $P_{4229} = (4, 3, 3, 1)$	130 : $P_{6109} = (28, 29, 4, 1)$
77 : $P_{4259} = (2, 4, 3, 1)$	131 : $P_{6115} = (2, 30, 4, 1)$
78 : $P_{4281} = (24, 4, 3, 1)$	132 : $P_{6353} = (16, 5, 5, 1)$
79 : $P_{4284} = (27, 4, 3, 1)$	133 : $P_{6381} = (12, 6, 5, 1)$
80 : $P_{4309} = (20, 5, 3, 1)$	134 : $P_{6421} = (20, 7, 5, 1)$
81 : $P_{4323} = (2, 6, 3, 1)$	135 : $P_{6470} = (5, 9, 5, 1)$
82 : $P_{4334} = (13, 6, 3, 1)$	136 : $P_{6509} = (12, 10, 5, 1)$
83 : $P_{4335} = (14, 6, 3, 1)$	137 : $P_{6516} = (19, 10, 5, 1)$
84 : $P_{4357} = (4, 7, 3, 1)$	138 : $P_{6527} = (30, 10, 5, 1)$
85 : $P_{4372} = (19, 7, 3, 1)$	139 : $P_{6566} = (5, 12, 5, 1)$
86 : $P_{4375} = (22, 7, 3, 1)$	140 : $P_{6586} = (25, 12, 5, 1)$
87 : $P_{4399} = (14, 8, 3, 1)$	141 : $P_{6590} = (29, 12, 5, 1)$
88 : $P_{4402} = (17, 8, 3, 1)$	142 : $P_{6624} = (31, 13, 5, 1)$
89 : $P_{4415} = (30, 8, 3, 1)$	143 : $P_{6653} = (28, 14, 5, 1)$
90 : $P_{4470} = (21, 10, 3, 1)$	144 : $P_{6684} = (27, 15, 5, 1)$
91 : $P_{4494} = (13, 11, 3, 1)$	145 : $P_{6691} = (2, 16, 5, 1)$
92 : $P_{4627} = (18, 15, 3, 1)$	146 : $P_{6693} = (4, 16, 5, 1)$
93 : $P_{4656} = (15, 16, 3, 1)$	147 : $P_{6696} = (7, 16, 5, 1)$
94 : $P_{4676} = (3, 17, 3, 1)$	148 : $P_{6750} = (29, 17, 5, 1)$
95 : $P_{4693} = (20, 17, 3, 1)$	149 : $P_{6755} = (2, 18, 5, 1)$
96 : $P_{4695} = (22, 17, 3, 1)$	150 : $P_{6781} = (28, 18, 5, 1)$
97 : $P_{4708} = (3, 18, 3, 1)$	151 : $P_{6784} = (31, 18, 5, 1)$
98 : $P_{4788} = (19, 20, 3, 1)$	152 : $P_{6805} = (20, 19, 5, 1)$
99 : $P_{4801} = (0, 21, 3, 1)$	153 : $P_{6821} = (4, 20, 5, 1)$
100 : $P_{4863} = (30, 22, 3, 1)$	154 : $P_{6844} = (27, 20, 5, 1)$
101 : $P_{4903} = (6, 24, 3, 1)$	155 : $P_{6847} = (30, 20, 5, 1)$
102 : $P_{4946} = (17, 25, 3, 1)$	156 : $P_{6857} = (8, 21, 5, 1)$
103 : $P_{5049} = (24, 28, 3, 1)$	157 : $P_{6865} = (16, 21, 5, 1)$
104 : $P_{5075} = (18, 29, 3, 1)$	158 : $P_{6874} = (25, 21, 5, 1)$
105 : $P_{5095} = (6, 30, 3, 1)$	159 : $P_{6890} = (9, 22, 5, 1)$
106 : $P_{5136} = (15, 31, 3, 1)$	160 : $P_{6920} = (7, 23, 5, 1)$
107 : $P_{5142} = (21, 31, 3, 1)$	161 : $P_{6996} = (19, 25, 5, 1)$

162 : $P_{7073} = (0, 28, 5, 1)$	216 : $P_{8769} = (0, 17, 7, 1)$
163 : $P_{7113} = (8, 29, 5, 1)$	217 : $P_{8840} = (7, 19, 7, 1)$
164 : $P_{7178} = (9, 31, 5, 1)$	218 : $P_{8872} = (7, 20, 7, 1)$
165 : $P_{7264} = (31, 1, 6, 1)$	219 : $P_{8917} = (20, 21, 7, 1)$
166 : $P_{7279} = (14, 2, 6, 1)$	220 : $P_{8958} = (29, 22, 7, 1)$
167 : $P_{7283} = (18, 2, 6, 1)$	221 : $P_{8971} = (10, 23, 7, 1)$
168 : $P_{7294} = (29, 2, 6, 1)$	222 : $P_{9024} = (31, 24, 7, 1)$
169 : $P_{7337} = (8, 4, 6, 1)$	223 : $P_{9110} = (21, 27, 7, 1)$
170 : $P_{7421} = (28, 6, 6, 1)$	224 : $P_{9148} = (27, 28, 7, 1)$
171 : $P_{7521} = (0, 10, 6, 1)$	225 : $P_{9163} = (10, 29, 7, 1)$
172 : $P_{7547} = (26, 10, 6, 1)$	226 : $P_{9203} = (18, 30, 7, 1)$
173 : $P_{7548} = (27, 10, 6, 1)$	227 : $P_{9311} = (30, 1, 8, 1)$
174 : $P_{7560} = (7, 11, 6, 1)$	228 : $P_{9321} = (8, 2, 8, 1)$
175 : $P_{7572} = (19, 11, 6, 1)$	229 : $P_{9358} = (13, 3, 8, 1)$
176 : $P_{7574} = (21, 11, 6, 1)$	230 : $P_{9403} = (26, 4, 8, 1)$
177 : $P_{7592} = (7, 12, 6, 1)$	231 : $P_{9412} = (3, 5, 8, 1)$
178 : $P_{7593} = (8, 12, 6, 1)$	232 : $P_{9426} = (17, 5, 8, 1)$
179 : $P_{7599} = (14, 12, 6, 1)$	233 : $P_{9428} = (19, 5, 8, 1)$
180 : $P_{7666} = (17, 14, 6, 1)$	234 : $P_{9444} = (3, 6, 8, 1)$
181 : $P_{7704} = (23, 15, 6, 1)$	235 : $P_{9462} = (21, 6, 8, 1)$
182 : $P_{7722} = (9, 16, 6, 1)$	236 : $P_{9464} = (23, 6, 8, 1)$
183 : $P_{7731} = (18, 16, 6, 1)$	237 : $P_{9484} = (11, 7, 8, 1)$
184 : $P_{7739} = (26, 16, 6, 1)$	238 : $P_{9530} = (25, 8, 8, 1)$
185 : $P_{7772} = (27, 17, 6, 1)$	239 : $P_{9577} = (8, 10, 8, 1)$
186 : $P_{7790} = (13, 18, 6, 1)$	240 : $P_{9589} = (20, 10, 8, 1)$
187 : $P_{7884} = (11, 21, 6, 1)$	241 : $P_{9598} = (29, 10, 8, 1)$
188 : $P_{7949} = (12, 23, 6, 1)$	242 : $P_{9619} = (18, 11, 8, 1)$
189 : $P_{7974} = (5, 24, 6, 1)$	243 : $P_{9634} = (1, 12, 8, 1)$
190 : $P_{7988} = (19, 24, 6, 1)$	244 : $P_{9644} = (11, 12, 8, 1)$
191 : $P_{7992} = (23, 24, 6, 1)$	245 : $P_{9666} = (1, 13, 8, 1)$
192 : $P_{8010} = (9, 25, 6, 1)$	246 : $P_{9689} = (24, 13, 8, 1)$
193 : $P_{8061} = (28, 26, 6, 1)$	247 : $P_{9710} = (13, 14, 8, 1)$
194 : $P_{8077} = (12, 27, 6, 1)$	248 : $P_{9808} = (15, 17, 8, 1)$
195 : $P_{8134} = (5, 29, 6, 1)$	249 : $P_{9816} = (23, 17, 8, 1)$
196 : $P_{8172} = (11, 30, 6, 1)$	250 : $P_{9818} = (25, 17, 8, 1)$
197 : $P_{8182} = (21, 30, 6, 1)$	251 : $P_{9878} = (21, 19, 8, 1)$
198 : $P_{8192} = (31, 30, 6, 1)$	252 : $P_{9906} = (17, 20, 8, 1)$
199 : $P_{8206} = (13, 31, 6, 1)$	253 : $P_{9945} = (24, 21, 8, 1)$
200 : $P_{8210} = (17, 31, 6, 1)$	254 : $P_{9972} = (19, 22, 8, 1)$
201 : $P_{8222} = (29, 31, 6, 1)$	255 : $P_{10014} = (29, 23, 8, 1)$
202 : $P_{8261} = (4, 1, 7, 1)$	256 : $P_{10067} = (18, 25, 8, 1)$
203 : $P_{8274} = (17, 1, 7, 1)$	257 : $P_{10177} = (0, 29, 8, 1)$
204 : $P_{8277} = (20, 1, 7, 1)$	258 : $P_{10224} = (15, 30, 8, 1)$
205 : $P_{8294} = (5, 2, 7, 1)$	259 : $P_{10229} = (20, 30, 8, 1)$
206 : $P_{8389} = (4, 5, 7, 1)$	260 : $P_{10235} = (26, 30, 8, 1)$
207 : $P_{8454} = (5, 7, 7, 1)$	261 : $P_{10271} = (30, 31, 8, 1)$
208 : $P_{8476} = (27, 7, 7, 1)$	262 : $P_{10337} = (0, 2, 9, 1)$
209 : $P_{8480} = (31, 7, 7, 1)$	263 : $P_{10343} = (6, 2, 9, 1)$
210 : $P_{8519} = (6, 9, 7, 1)$	264 : $P_{10344} = (7, 2, 9, 1)$
211 : $P_{8606} = (29, 11, 7, 1)$	265 : $P_{10386} = (17, 3, 9, 1)$
212 : $P_{8627} = (18, 12, 7, 1)$	266 : $P_{10407} = (6, 4, 9, 1)$
213 : $P_{8694} = (21, 14, 7, 1)$	267 : $P_{10440} = (7, 5, 9, 1)$
214 : $P_{8711} = (6, 15, 7, 1)$	268 : $P_{10458} = (25, 5, 9, 1)$
215 : $P_{8754} = (17, 16, 7, 1)$	269 : $P_{10464} = (31, 5, 9, 1)$

270 : $P_{10483} = (18, 6, 9, 1)$	324 : $P_{12105} = (8, 25, 10, 1)$
271 : $P_{10518} = (21, 7, 9, 1)$	325 : $P_{12130} = (1, 26, 10, 1)$
272 : $P_{10580} = (19, 9, 9, 1)$	326 : $P_{12144} = (15, 26, 10, 1)$
273 : $P_{10594} = (1, 10, 9, 1)$	327 : $P_{12162} = (1, 27, 10, 1)$
274 : $P_{10597} = (4, 10, 9, 1)$	328 : $P_{12168} = (7, 27, 10, 1)$
275 : $P_{10626} = (1, 11, 9, 1)$	329 : $P_{12200} = (7, 28, 10, 1)$
276 : $P_{10647} = (22, 11, 9, 1)$	330 : $P_{12237} = (12, 29, 10, 1)$
277 : $P_{10717} = (28, 13, 9, 1)$	331 : $P_{12284} = (27, 30, 10, 1)$
278 : $P_{10725} = (4, 14, 9, 1)$	332 : $P_{12389} = (4, 2, 11, 1)$
279 : $P_{10845} = (28, 17, 9, 1)$	333 : $P_{12425} = (8, 3, 11, 1)$
280 : $P_{10854} = (5, 18, 9, 1)$	334 : $P_{12435} = (18, 3, 11, 1)$
281 : $P_{10866} = (17, 18, 9, 1)$	335 : $P_{12444} = (27, 3, 11, 1)$
282 : $P_{10870} = (21, 18, 9, 1)$	336 : $P_{12449} = (0, 4, 11, 1)$
283 : $P_{10893} = (12, 19, 9, 1)$	337 : $P_{12469} = (20, 4, 11, 1)$
284 : $P_{10931} = (18, 20, 9, 1)$	338 : $P_{12470} = (21, 4, 11, 1)$
285 : $P_{11014} = (5, 23, 9, 1)$	339 : $P_{12493} = (12, 5, 11, 1)$
286 : $P_{11018} = (9, 23, 9, 1)$	340 : $P_{12517} = (4, 6, 11, 1)$
287 : $P_{11022} = (13, 23, 9, 1)$	341 : $P_{12603} = (26, 8, 11, 1)$
288 : $P_{11075} = (2, 25, 9, 1)$	342 : $P_{12621} = (12, 9, 11, 1)$
289 : $P_{11118} = (13, 26, 9, 1)$	343 : $P_{12626} = (17, 9, 11, 1)$
290 : $P_{11124} = (19, 26, 9, 1)$	344 : $P_{12637} = (28, 9, 11, 1)$
291 : $P_{11136} = (31, 26, 9, 1)$	345 : $P_{12681} = (8, 11, 11, 1)$
292 : $P_{11139} = (2, 27, 9, 1)$	346 : $P_{12728} = (23, 12, 11, 1)$
293 : $P_{11194} = (25, 28, 9, 1)$	347 : $P_{12770} = (1, 14, 11, 1)$
294 : $P_{11223} = (22, 29, 9, 1)$	348 : $P_{12785} = (16, 14, 11, 1)$
295 : $P_{11242} = (9, 30, 9, 1)$	349 : $P_{12802} = (1, 15, 11, 1)$
296 : $P_{11277} = (12, 31, 9, 1)$	350 : $P_{12826} = (25, 15, 11, 1)$
297 : $P_{11348} = (19, 1, 10, 1)$	351 : $P_{12853} = (20, 16, 11, 1)$
298 : $P_{11435} = (10, 4, 10, 1)$	352 : $P_{12871} = (6, 17, 11, 1)$
299 : $P_{11484} = (27, 5, 10, 1)$	353 : $P_{12883} = (18, 17, 11, 1)$
300 : $P_{11498} = (9, 6, 10, 1)$	354 : $P_{12886} = (21, 17, 11, 1)$
301 : $P_{11581} = (28, 8, 10, 1)$	355 : $P_{12923} = (26, 18, 11, 1)$
302 : $P_{11623} = (6, 10, 10, 1)$	356 : $P_{12940} = (11, 19, 11, 1)$
303 : $P_{11687} = (6, 12, 10, 1)$	357 : $P_{12970} = (9, 20, 11, 1)$
304 : $P_{11705} = (24, 12, 10, 1)$	358 : $P_{13021} = (28, 21, 11, 1)$
305 : $P_{11712} = (31, 12, 10, 1)$	359 : $P_{13050} = (25, 22, 11, 1)$
306 : $P_{11755} = (10, 14, 10, 1)$	360 : $P_{13063} = (6, 23, 11, 1)$
307 : $P_{11767} = (22, 14, 10, 1)$	361 : $P_{13100} = (11, 24, 11, 1)$
308 : $P_{11774} = (29, 14, 10, 1)$	362 : $P_{13106} = (17, 24, 11, 1)$
309 : $P_{11786} = (9, 15, 10, 1)$	363 : $P_{13116} = (27, 24, 11, 1)$
310 : $P_{11812} = (3, 16, 10, 1)$	364 : $P_{13208} = (23, 27, 11, 1)$
311 : $P_{11846} = (5, 17, 10, 1)$	365 : $P_{13258} = (9, 29, 11, 1)$
312 : $P_{11849} = (8, 17, 10, 1)$	366 : $P_{13297} = (16, 30, 11, 1)$
313 : $P_{11853} = (12, 17, 10, 1)$	367 : $P_{13418} = (9, 2, 12, 1)$
314 : $P_{11892} = (19, 18, 10, 1)$	368 : $P_{13453} = (12, 3, 12, 1)$
315 : $P_{11908} = (3, 19, 10, 1)$	369 : $P_{13461} = (20, 3, 12, 1)$
316 : $P_{11934} = (29, 19, 10, 1)$	370 : $P_{13466} = (25, 3, 12, 1)$
317 : $P_{11936} = (31, 19, 10, 1)$	371 : $P_{13552} = (15, 6, 12, 1)$
318 : $P_{11942} = (5, 20, 10, 1)$	372 : $P_{13597} = (28, 7, 12, 1)$
319 : $P_{11961} = (24, 20, 10, 1)$	373 : $P_{13648} = (15, 9, 12, 1)$
320 : $P_{11965} = (28, 20, 10, 1)$	374 : $P_{13687} = (22, 10, 12, 1)$
321 : $P_{11984} = (15, 21, 10, 1)$	375 : $P_{13706} = (9, 11, 12, 1)$
322 : $P_{12001} = (0, 22, 10, 1)$	376 : $P_{13713} = (16, 11, 12, 1)$
323 : $P_{12087} = (22, 24, 10, 1)$	377 : $P_{13721} = (24, 11, 12, 1)$

378 : $P_{13756} = (27, 12, 12, 1)$
 379 : $P_{13837} = (12, 15, 12, 1)$
 380 : $P_{13925} = (4, 18, 12, 1)$
 381 : $P_{13977} = (24, 19, 12, 1)$
 382 : $P_{13995} = (10, 20, 12, 1)$
 383 : $P_{14053} = (4, 22, 12, 1)$
 384 : $P_{14057} = (8, 22, 12, 1)$
 385 : $P_{14062} = (13, 22, 12, 1)$
 386 : $P_{14095} = (14, 23, 12, 1)$
 387 : $P_{14101} = (20, 23, 12, 1)$
 388 : $P_{14108} = (27, 23, 12, 1)$
 389 : $P_{14113} = (0, 24, 12, 1)$
 390 : $P_{14159} = (14, 25, 12, 1)$
 391 : $P_{14202} = (25, 26, 12, 1)$
 392 : $P_{14222} = (13, 27, 12, 1)$
 393 : $P_{14225} = (16, 27, 12, 1)$
 394 : $P_{14237} = (28, 27, 12, 1)$
 395 : $P_{14263} = (22, 28, 12, 1)$
 396 : $P_{14276} = (3, 29, 12, 1)$
 397 : $P_{14308} = (3, 30, 12, 1)$
 398 : $P_{14313} = (8, 30, 12, 1)$
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 797 : $P_{27421} = (28, 23, 25, 1)$
 798 : $P_{27423} = (30, 23, 25, 1)$
 799 : $P_{27478} = (21, 25, 25, 1)$
 800 : $P_{27531} = (10, 27, 25, 1)$
 801 : $P_{27541} = (20, 27, 25, 1)$
 802 : $P_{27552} = (31, 27, 25, 1)$
 803 : $P_{27570} = (17, 28, 25, 1)$
 804 : $P_{27665} = (16, 31, 25, 1)$
 805 : $P_{27758} = (13, 2, 26, 1)$
 806 : $P_{27768} = (23, 2, 26, 1)$
 807 : $P_{27772} = (27, 2, 26, 1)$
 808 : $P_{27783} = (6, 3, 26, 1)$
 809 : $P_{27820} = (11, 4, 26, 1)$

810 : $P_{27847} = (6, 5, 26, 1)$
 811 : $P_{27867} = (26, 5, 26, 1)$
 812 : $P_{27870} = (29, 5, 26, 1)$
 813 : $P_{27903} = (30, 6, 26, 1)$
 814 : $P_{27905} = (0, 7, 26, 1)$
 815 : $P_{27944} = (7, 8, 26, 1)$
 816 : $P_{27985} = (16, 9, 26, 1)$
 817 : $P_{28064} = (31, 11, 26, 1)$
 818 : $P_{28154} = (25, 14, 26, 1)$
 819 : $P_{28168} = (7, 15, 26, 1)$
 820 : $P_{28172} = (11, 15, 26, 1)$
 821 : $P_{28174} = (13, 15, 26, 1)$
 822 : $P_{28294} = (5, 19, 26, 1)$
 823 : $P_{28299} = (10, 19, 26, 1)$
 824 : $P_{28303} = (14, 19, 26, 1)$
 825 : $P_{28352} = (31, 20, 26, 1)$
 826 : $P_{28376} = (23, 21, 26, 1)$
 827 : $P_{28390} = (5, 22, 26, 1)$
 828 : $P_{28442} = (25, 23, 26, 1)$
 829 : $P_{28451} = (2, 24, 26, 1)$
 830 : $P_{28478} = (29, 24, 26, 1)$
 831 : $P_{28479} = (30, 24, 26, 1)$
 832 : $P_{28491} = (10, 25, 26, 1)$
 833 : $P_{28497} = (16, 25, 26, 1)$
 834 : $P_{28508} = (27, 25, 26, 1)$
 835 : $P_{28515} = (2, 26, 26, 1)$
 836 : $P_{28623} = (14, 29, 26, 1)$
 837 : $P_{28699} = (26, 31, 26, 1)$
 838 : $P_{28744} = (7, 1, 27, 1)$
 839 : $P_{28779} = (10, 2, 27, 1)$
 840 : $P_{28904} = (7, 6, 27, 1)$
 841 : $P_{28913} = (16, 6, 27, 1)$
 842 : $P_{28919} = (22, 6, 27, 1)$
 843 : $P_{28942} = (13, 7, 27, 1)$
 844 : $P_{28971} = (10, 8, 27, 1)$
 845 : $P_{29038} = (13, 10, 27, 1)$
 846 : $P_{29185} = (0, 15, 27, 1)$
 847 : $P_{29215} = (30, 15, 27, 1)$
 848 : $P_{29216} = (31, 15, 27, 1)$
 849 : $P_{29225} = (8, 16, 27, 1)$
 850 : $P_{29239} = (22, 16, 27, 1)$
 851 : $P_{29248} = (31, 16, 27, 1)$
 852 : $P_{29279} = (30, 17, 27, 1)$
 853 : $P_{29425} = (16, 22, 27, 1)$
 854 : $P_{29474} = (1, 24, 27, 1)$
 855 : $P_{29481} = (8, 24, 27, 1)$
 856 : $P_{29506} = (1, 25, 27, 1)$
 857 : $P_{29510} = (5, 25, 27, 1)$
 858 : $P_{29573} = (4, 27, 27, 1)$
 859 : $P_{29606} = (5, 28, 27, 1)$
 860 : $P_{29701} = (4, 31, 27, 1)$
 861 : $P_{29774} = (13, 1, 28, 1)$
 862 : $P_{29783} = (22, 1, 28, 1)$
 863 : $P_{29787} = (26, 1, 28, 1)$

864 : $P_{29836} = (11, 3, 28, 1)$
 865 : $P_{29880} = (23, 4, 28, 1)$
 866 : $P_{29946} = (25, 6, 28, 1)$
 867 : $P_{29983} = (30, 7, 28, 1)$
 868 : $P_{29996} = (11, 8, 28, 1)$
 869 : $P_{30077} = (28, 10, 28, 1)$
 870 : $P_{30126} = (13, 12, 28, 1)$
 871 : $P_{30238} = (29, 15, 28, 1)$
 872 : $P_{30253} = (12, 16, 28, 1)$
 873 : $P_{30334} = (29, 18, 28, 1)$
 874 : $P_{30360} = (23, 19, 28, 1)$
 875 : $P_{30410} = (9, 21, 28, 1)$
 876 : $P_{30461} = (28, 22, 28, 1)$
 877 : $P_{30487} = (22, 23, 28, 1)$
 878 : $P_{30501} = (4, 24, 28, 1)$
 879 : $P_{30559} = (30, 25, 28, 1)$
 880 : $P_{30561} = (0, 26, 28, 1)$
 881 : $P_{30619} = (26, 27, 28, 1)$
 882 : $P_{30629} = (4, 28, 28, 1)$
 883 : $P_{30634} = (9, 28, 28, 1)$
 884 : $P_{30637} = (12, 28, 28, 1)$
 885 : $P_{30746} = (25, 31, 28, 1)$
 886 : $P_{30794} = (9, 1, 29, 1)$
 887 : $P_{30863} = (14, 3, 29, 1)$
 888 : $P_{30868} = (19, 3, 29, 1)$
 889 : $P_{30877} = (28, 3, 29, 1)$
 890 : $P_{30884} = (3, 4, 29, 1)$
 891 : $P_{30937} = (24, 5, 29, 1)$
 892 : $P_{30980} = (3, 7, 29, 1)$
 893 : $P_{31018} = (9, 8, 29, 1)$
 894 : $P_{31032} = (23, 8, 29, 1)$
 895 : $P_{31040} = (31, 8, 29, 1)$
 896 : $P_{31043} = (2, 9, 29, 1)$
 897 : $P_{31066} = (25, 9, 29, 1)$
 898 : $P_{31067} = (26, 9, 29, 1)$
 899 : $P_{31107} = (2, 11, 29, 1)$
 900 : $P_{31183} = (14, 13, 29, 1)$
 901 : $P_{31276} = (11, 16, 29, 1)$
 902 : $P_{31284} = (19, 16, 29, 1)$
 903 : $P_{31290} = (25, 16, 29, 1)$
 904 : $P_{31336} = (7, 18, 29, 1)$
 905 : $P_{31387} = (26, 19, 29, 1)$
 906 : $P_{31408} = (15, 20, 29, 1)$
 907 : $P_{31432} = (7, 21, 29, 1)$
 908 : $P_{31435} = (10, 21, 29, 1)$
 909 : $P_{31437} = (12, 21, 29, 1)$
 910 : $P_{31520} = (31, 23, 29, 1)$
 911 : $P_{31565} = (12, 25, 29, 1)$
 912 : $P_{31589} = (4, 26, 29, 1)$
 913 : $P_{31622} = (5, 27, 29, 1)$
 914 : $P_{31628} = (11, 27, 29, 1)$
 915 : $P_{31632} = (15, 27, 29, 1)$
 916 : $P_{31705} = (24, 29, 29, 1)$
 917 : $P_{31713} = (0, 30, 29, 1)$

918 : $P_{31717} = (4, 30, 29, 1)$	956 : $P_{32720} = (15, 29, 30, 1)$
919 : $P_{31718} = (5, 30, 29, 1)$	957 : $P_{32766} = (29, 30, 30, 1)$
920 : $P_{31755} = (10, 31, 29, 1)$	958 : $P_{32904} = (7, 3, 31, 1)$
921 : $P_{31768} = (23, 31, 29, 1)$	959 : $P_{32936} = (7, 4, 31, 1)$
922 : $P_{31773} = (28, 31, 29, 1)$	960 : $P_{33013} = (20, 6, 31, 1)$
923 : $P_{31819} = (10, 1, 30, 1)$	961 : $P_{33054} = (29, 7, 31, 1)$
924 : $P_{31882} = (9, 3, 30, 1)$	962 : $P_{33084} = (27, 8, 31, 1)$
925 : $P_{31894} = (21, 3, 30, 1)$	963 : $P_{33152} = (31, 10, 31, 1)$
926 : $P_{31902} = (29, 3, 30, 1)$	964 : $P_{33158} = (5, 11, 31, 1)$
927 : $P_{31906} = (1, 4, 30, 1)$	965 : $P_{33188} = (3, 12, 31, 1)$
928 : $P_{31933} = (28, 4, 30, 1)$	966 : $P_{33217} = (0, 13, 31, 1)$
929 : $P_{31938} = (1, 5, 30, 1)$	967 : $P_{33239} = (22, 13, 31, 1)$
930 : $P_{31955} = (18, 5, 30, 1)$	968 : $P_{33240} = (23, 13, 31, 1)$
931 : $P_{31969} = (0, 6, 30, 1)$	969 : $P_{33254} = (5, 14, 31, 1)$
932 : $P_{32037} = (4, 8, 30, 1)$	970 : $P_{33284} = (3, 15, 31, 1)$
933 : $P_{32106} = (9, 10, 30, 1)$	971 : $P_{33305} = (24, 15, 31, 1)$
934 : $P_{32114} = (17, 10, 30, 1)$	972 : $P_{33307} = (26, 15, 31, 1)$
935 : $P_{32122} = (25, 10, 30, 1)$	973 : $P_{33326} = (13, 16, 31, 1)$
936 : $P_{32139} = (10, 11, 30, 1)$	974 : $P_{33349} = (4, 17, 31, 1)$
937 : $P_{32165} = (4, 12, 30, 1)$	975 : $P_{33356} = (11, 17, 31, 1)$
938 : $P_{32223} = (30, 13, 30, 1)$	976 : $P_{33359} = (14, 17, 31, 1)$
939 : $P_{32249} = (24, 14, 30, 1)$	977 : $P_{33378} = (1, 18, 31, 1)$
940 : $P_{32368} = (15, 18, 30, 1)$	978 : $P_{33397} = (20, 18, 31, 1)$
941 : $P_{32391} = (6, 19, 30, 1)$	979 : $P_{33410} = (1, 19, 31, 1)$
942 : $P_{32410} = (25, 19, 30, 1)$	980 : $P_{33436} = (27, 19, 31, 1)$
943 : $P_{32415} = (30, 19, 30, 1)$	981 : $P_{33477} = (4, 21, 31, 1)$
944 : $P_{32431} = (14, 20, 30, 1)$	982 : $P_{33499} = (26, 21, 31, 1)$
945 : $P_{32455} = (6, 21, 30, 1)$	983 : $P_{33504} = (31, 21, 31, 1)$
946 : $P_{32493} = (12, 22, 30, 1)$	984 : $P_{33520} = (15, 22, 31, 1)$
947 : $P_{32502} = (21, 22, 30, 1)$	985 : $P_{33561} = (24, 23, 31, 1)$
948 : $P_{32505} = (24, 22, 30, 1)$	986 : $P_{33616} = (15, 25, 31, 1)$
949 : $P_{32531} = (18, 23, 30, 1)$	987 : $P_{33644} = (11, 26, 31, 1)$
950 : $P_{32573} = (28, 24, 30, 1)$	988 : $P_{33656} = (23, 26, 31, 1)$
951 : $P_{32580} = (3, 25, 30, 1)$	989 : $P_{33662} = (29, 26, 31, 1)$
952 : $P_{32612} = (3, 26, 30, 1)$	990 : $P_{33687} = (22, 27, 31, 1)$
953 : $P_{32621} = (12, 26, 30, 1)$	991 : $P_{33742} = (13, 29, 31, 1)$
954 : $P_{32623} = (14, 26, 30, 1)$	992 : $P_{33807} = (14, 31, 31, 1)$
955 : $P_{32658} = (17, 27, 30, 1)$	

Line Intersection Graph

┘

Neighbor sets in the line intersection graph:

The surface has 993 points:

The points on the surface are:

0 : $P_1 = (0, 1, 0, 0)$	6 : $P_{190} = (27, 4, 1, 0)$	12 : $P_{361} = (6, 10, 1, 0)$
1 : $P_2 = (0, 0, 1, 0)$	7 : $P_{204} = (9, 5, 1, 0)$	13 : $P_{403} = (16, 11, 1, 0)$
2 : $P_{112} = (13, 2, 1, 0)$	8 : $P_{217} = (22, 5, 1, 0)$	14 : $P_{425} = (6, 12, 1, 0)$
3 : $P_{146} = (15, 3, 1, 0)$	9 : $P_{226} = (31, 5, 1, 0)$	15 : $P_{428} = (9, 12, 1, 0)$
4 : $P_{149} = (18, 3, 1, 0)$	10 : $P_{316} = (25, 8, 1, 0)$	16 : $P_{434} = (15, 12, 1, 0)$
5 : $P_{160} = (29, 3, 1, 0)$	11 : $P_{327} = (4, 9, 1, 0)$	17 : $P_{455} = (4, 13, 1, 0)$

18 : $P_{503} = (20, 14, 1, 0)$	72 : $P_{3918} = (13, 25, 2, 1)$	126 : $P_{6031} = (14, 27, 4, 1)$
19 : $P_{528} = (13, 15, 1, 0)$	73 : $P_{4097} = (0, 31, 2, 1)$	127 : $P_{6051} = (2, 28, 4, 1)$
20 : $P_{549} = (2, 16, 1, 0)$	74 : $P_{4115} = (18, 31, 2, 1)$	128 : $P_{6087} = (6, 29, 4, 1)$
21 : $P_{590} = (11, 17, 1, 0)$	75 : $P_{4116} = (19, 31, 2, 1)$	129 : $P_{6108} = (27, 29, 4, 1)$
22 : $P_{597} = (18, 17, 1, 0)$	76 : $P_{4229} = (4, 3, 3, 1)$	130 : $P_{6109} = (28, 29, 4, 1)$
23 : $P_{604} = (25, 17, 1, 0)$	77 : $P_{4259} = (2, 4, 3, 1)$	131 : $P_{6115} = (2, 30, 4, 1)$
24 : $P_{613} = (2, 18, 1, 0)$	78 : $P_{4281} = (24, 4, 3, 1)$	132 : $P_{6353} = (16, 5, 5, 1)$
25 : $P_{665} = (22, 19, 1, 0)$	79 : $P_{4284} = (27, 4, 3, 1)$	133 : $P_{6381} = (12, 6, 5, 1)$
26 : $P_{878} = (11, 26, 1, 0)$	80 : $P_{4309} = (20, 5, 3, 1)$	134 : $P_{6421} = (20, 7, 5, 1)$
27 : $P_{887} = (20, 26, 1, 0)$	81 : $P_{4323} = (2, 6, 3, 1)$	135 : $P_{6470} = (5, 9, 5, 1)$
28 : $P_{898} = (31, 26, 1, 0)$	82 : $P_{4334} = (13, 6, 3, 1)$	136 : $P_{6509} = (12, 10, 5, 1)$
29 : $P_{915} = (16, 27, 1, 0)$	83 : $P_{4335} = (14, 6, 3, 1)$	137 : $P_{6516} = (19, 10, 5, 1)$
30 : $P_{1024} = (29, 30, 1, 0)$	84 : $P_{4357} = (4, 7, 3, 1)$	138 : $P_{6527} = (30, 10, 5, 1)$
31 : $P_{1054} = (27, 31, 1, 0)$	85 : $P_{4372} = (19, 7, 3, 1)$	139 : $P_{6566} = (5, 12, 5, 1)$
32 : $P_{2114} = (0, 1, 1, 1)$	86 : $P_{4375} = (22, 7, 3, 1)$	140 : $P_{6586} = (25, 12, 5, 1)$
33 : $P_{2167} = (22, 2, 1, 1)$	87 : $P_{4399} = (14, 8, 3, 1)$	141 : $P_{6590} = (29, 12, 5, 1)$
34 : $P_{2234} = (25, 4, 1, 1)$	88 : $P_{4402} = (17, 8, 3, 1)$	142 : $P_{6624} = (31, 13, 5, 1)$
35 : $P_{2302} = (29, 6, 1, 1)$	89 : $P_{4415} = (30, 8, 3, 1)$	143 : $P_{6653} = (28, 14, 5, 1)$
36 : $P_{2319} = (14, 7, 1, 1)$	90 : $P_{4470} = (21, 10, 3, 1)$	144 : $P_{6684} = (27, 15, 5, 1)$
37 : $P_{2383} = (14, 9, 1, 1)$	91 : $P_{4494} = (13, 11, 3, 1)$	145 : $P_{6691} = (2, 16, 5, 1)$
38 : $P_{2463} = (30, 11, 1, 1)$	92 : $P_{4627} = (18, 15, 3, 1)$	146 : $P_{6693} = (4, 16, 5, 1)$
39 : $P_{2517} = (20, 13, 1, 1)$	93 : $P_{4656} = (15, 16, 3, 1)$	147 : $P_{6696} = (7, 16, 5, 1)$
40 : $P_{2580} = (19, 15, 1, 1)$	94 : $P_{4676} = (3, 17, 3, 1)$	148 : $P_{6750} = (29, 17, 5, 1)$
41 : $P_{2599} = (6, 16, 1, 1)$	95 : $P_{4693} = (20, 17, 3, 1)$	149 : $P_{6755} = (2, 18, 5, 1)$
42 : $P_{2667} = (10, 18, 1, 1)$	96 : $P_{4695} = (22, 17, 3, 1)$	150 : $P_{6781} = (28, 18, 5, 1)$
43 : $P_{2743} = (22, 20, 1, 1)$	97 : $P_{4708} = (3, 18, 3, 1)$	151 : $P_{6784} = (31, 18, 5, 1)$
44 : $P_{2783} = (30, 21, 1, 1)$	98 : $P_{4788} = (19, 20, 3, 1)$	152 : $P_{6805} = (20, 19, 5, 1)$
45 : $P_{2791} = (6, 22, 1, 1)$	99 : $P_{4801} = (0, 21, 3, 1)$	153 : $P_{6821} = (4, 20, 5, 1)$
46 : $P_{2825} = (8, 23, 1, 1)$	100 : $P_{4863} = (30, 22, 3, 1)$	154 : $P_{6844} = (27, 20, 5, 1)$
47 : $P_{2859} = (10, 24, 1, 1)$	101 : $P_{4903} = (6, 24, 3, 1)$	155 : $P_{6847} = (30, 20, 5, 1)$
48 : $P_{2901} = (20, 25, 1, 1)$	102 : $P_{4946} = (17, 25, 3, 1)$	156 : $P_{6857} = (8, 21, 5, 1)$
49 : $P_{2974} = (29, 27, 1, 1)$	103 : $P_{5049} = (24, 28, 3, 1)$	157 : $P_{6865} = (16, 21, 5, 1)$
50 : $P_{2996} = (19, 28, 1, 1)$	104 : $P_{5075} = (18, 29, 3, 1)$	158 : $P_{6874} = (25, 21, 5, 1)$
51 : $P_{3034} = (25, 29, 1, 1)$	105 : $P_{5095} = (6, 30, 3, 1)$	159 : $P_{6890} = (9, 22, 5, 1)$
52 : $P_{3081} = (8, 31, 1, 1)$	106 : $P_{5136} = (15, 31, 3, 1)$	160 : $P_{6920} = (7, 23, 5, 1)$
53 : $P_{3158} = (21, 1, 2, 1)$	107 : $P_{5142} = (21, 31, 3, 1)$	161 : $P_{6996} = (19, 25, 5, 1)$
54 : $P_{3185} = (16, 2, 2, 1)$	108 : $P_{5148} = (27, 31, 3, 1)$	162 : $P_{7073} = (0, 28, 5, 1)$
55 : $P_{3247} = (14, 4, 2, 1)$	109 : $P_{5213} = (28, 1, 4, 1)$	163 : $P_{7113} = (8, 29, 5, 1)$
56 : $P_{3298} = (1, 6, 2, 1)$	110 : $P_{5294} = (13, 4, 4, 1)$	164 : $P_{7178} = (9, 31, 5, 1)$
57 : $P_{3314} = (17, 6, 2, 1)$	111 : $P_{5372} = (27, 6, 4, 1)$	165 : $P_{7264} = (31, 1, 6, 1)$
58 : $P_{3330} = (1, 7, 2, 1)$	112 : $P_{5454} = (13, 9, 4, 1)$	166 : $P_{7279} = (14, 2, 6, 1)$
59 : $P_{3339} = (10, 7, 2, 1)$	113 : $P_{5631} = (30, 14, 4, 1)$	167 : $P_{7283} = (18, 2, 6, 1)$
60 : $P_{3439} = (14, 10, 2, 1)$	114 : $P_{5695} = (30, 16, 4, 1)$	168 : $P_{7294} = (29, 2, 6, 1)$
61 : $P_{3508} = (19, 12, 2, 1)$	115 : $P_{5729} = (0, 18, 4, 1)$	169 : $P_{7337} = (8, 4, 6, 1)$
62 : $P_{3531} = (10, 13, 2, 1)$	116 : $P_{5737} = (8, 18, 4, 1)$	170 : $P_{7421} = (28, 6, 6, 1)$
63 : $P_{3539} = (18, 13, 2, 1)$	117 : $P_{5738} = (9, 18, 4, 1)$	171 : $P_{7521} = (0, 10, 6, 1)$
64 : $P_{3546} = (25, 13, 2, 1)$	118 : $P_{5794} = (1, 20, 4, 1)$	172 : $P_{7547} = (26, 10, 6, 1)$
65 : $P_{3580} = (27, 14, 2, 1)$	119 : $P_{5805} = (12, 20, 4, 1)$	173 : $P_{7548} = (27, 10, 6, 1)$
66 : $P_{3697} = (16, 18, 2, 1)$	120 : $P_{5826} = (1, 21, 4, 1)$	174 : $P_{7560} = (7, 11, 6, 1)$
67 : $P_{3758} = (13, 20, 2, 1)$	121 : $P_{5839} = (14, 21, 4, 1)$	175 : $P_{7572} = (19, 11, 6, 1)$
68 : $P_{3766} = (21, 20, 2, 1)$	122 : $P_{5933} = (12, 24, 4, 1)$	176 : $P_{7574} = (21, 11, 6, 1)$
69 : $P_{3770} = (25, 20, 2, 1)$	123 : $P_{5993} = (8, 26, 4, 1)$	177 : $P_{7592} = (7, 12, 6, 1)$
70 : $P_{3804} = (27, 21, 2, 1)$	124 : $P_{6023} = (6, 27, 4, 1)$	178 : $P_{7593} = (8, 12, 6, 1)$
71 : $P_{3858} = (17, 23, 2, 1)$	125 : $P_{6026} = (9, 27, 4, 1)$	179 : $P_{7599} = (14, 12, 6, 1)$

180 : $P_{7666} = (17, 14, 6, 1)$	234 : $P_{9444} = (3, 6, 8, 1)$	288 : $P_{11075} = (2, 25, 9, 1)$
181 : $P_{7704} = (23, 15, 6, 1)$	235 : $P_{9462} = (21, 6, 8, 1)$	289 : $P_{11118} = (13, 26, 9, 1)$
182 : $P_{7722} = (9, 16, 6, 1)$	236 : $P_{9464} = (23, 6, 8, 1)$	290 : $P_{11124} = (19, 26, 9, 1)$
183 : $P_{7731} = (18, 16, 6, 1)$	237 : $P_{9484} = (11, 7, 8, 1)$	291 : $P_{11136} = (31, 26, 9, 1)$
184 : $P_{7739} = (26, 16, 6, 1)$	238 : $P_{9530} = (25, 8, 8, 1)$	292 : $P_{11139} = (2, 27, 9, 1)$
185 : $P_{7772} = (27, 17, 6, 1)$	239 : $P_{9577} = (8, 10, 8, 1)$	293 : $P_{11194} = (25, 28, 9, 1)$
186 : $P_{7790} = (13, 18, 6, 1)$	240 : $P_{9589} = (20, 10, 8, 1)$	294 : $P_{11223} = (22, 29, 9, 1)$
187 : $P_{7884} = (11, 21, 6, 1)$	241 : $P_{9598} = (29, 10, 8, 1)$	295 : $P_{11242} = (9, 30, 9, 1)$
188 : $P_{7949} = (12, 23, 6, 1)$	242 : $P_{9619} = (18, 11, 8, 1)$	296 : $P_{11277} = (12, 31, 9, 1)$
189 : $P_{7974} = (5, 24, 6, 1)$	243 : $P_{9634} = (1, 12, 8, 1)$	297 : $P_{11348} = (19, 1, 10, 1)$
190 : $P_{7988} = (19, 24, 6, 1)$	244 : $P_{9644} = (11, 12, 8, 1)$	298 : $P_{11435} = (10, 4, 10, 1)$
191 : $P_{7992} = (23, 24, 6, 1)$	245 : $P_{9666} = (1, 13, 8, 1)$	299 : $P_{11484} = (27, 5, 10, 1)$
192 : $P_{8010} = (9, 25, 6, 1)$	246 : $P_{9689} = (24, 13, 8, 1)$	300 : $P_{11498} = (9, 6, 10, 1)$
193 : $P_{8061} = (28, 26, 6, 1)$	247 : $P_{9710} = (13, 14, 8, 1)$	301 : $P_{11581} = (28, 8, 10, 1)$
194 : $P_{8077} = (12, 27, 6, 1)$	248 : $P_{9808} = (15, 17, 8, 1)$	302 : $P_{11623} = (6, 10, 10, 1)$
195 : $P_{8134} = (5, 29, 6, 1)$	249 : $P_{9816} = (23, 17, 8, 1)$	303 : $P_{11687} = (6, 12, 10, 1)$
196 : $P_{8172} = (11, 30, 6, 1)$	250 : $P_{9818} = (25, 17, 8, 1)$	304 : $P_{11705} = (24, 12, 10, 1)$
197 : $P_{8182} = (21, 30, 6, 1)$	251 : $P_{9878} = (21, 19, 8, 1)$	305 : $P_{11712} = (31, 12, 10, 1)$
198 : $P_{8192} = (31, 30, 6, 1)$	252 : $P_{9906} = (17, 20, 8, 1)$	306 : $P_{11755} = (10, 14, 10, 1)$
199 : $P_{8206} = (13, 31, 6, 1)$	253 : $P_{9945} = (24, 21, 8, 1)$	307 : $P_{11767} = (22, 14, 10, 1)$
200 : $P_{8210} = (17, 31, 6, 1)$	254 : $P_{9972} = (19, 22, 8, 1)$	308 : $P_{11774} = (29, 14, 10, 1)$
201 : $P_{8222} = (29, 31, 6, 1)$	255 : $P_{10014} = (29, 23, 8, 1)$	309 : $P_{11786} = (9, 15, 10, 1)$
202 : $P_{8261} = (4, 1, 7, 1)$	256 : $P_{10067} = (18, 25, 8, 1)$	310 : $P_{11812} = (3, 16, 10, 1)$
203 : $P_{8274} = (17, 1, 7, 1)$	257 : $P_{10177} = (0, 29, 8, 1)$	311 : $P_{11846} = (5, 17, 10, 1)$
204 : $P_{8277} = (20, 1, 7, 1)$	258 : $P_{10224} = (15, 30, 8, 1)$	312 : $P_{11849} = (8, 17, 10, 1)$
205 : $P_{8294} = (5, 2, 7, 1)$	259 : $P_{10229} = (20, 30, 8, 1)$	313 : $P_{11853} = (12, 17, 10, 1)$
206 : $P_{8389} = (4, 5, 7, 1)$	260 : $P_{10235} = (26, 30, 8, 1)$	314 : $P_{11892} = (19, 18, 10, 1)$
207 : $P_{8454} = (5, 7, 7, 1)$	261 : $P_{10271} = (30, 31, 8, 1)$	315 : $P_{11908} = (3, 19, 10, 1)$
208 : $P_{8476} = (27, 7, 7, 1)$	262 : $P_{10337} = (0, 2, 9, 1)$	316 : $P_{11934} = (29, 19, 10, 1)$
209 : $P_{8480} = (31, 7, 7, 1)$	263 : $P_{10343} = (6, 2, 9, 1)$	317 : $P_{11936} = (31, 19, 10, 1)$
210 : $P_{8519} = (6, 9, 7, 1)$	264 : $P_{10344} = (7, 2, 9, 1)$	318 : $P_{11942} = (5, 20, 10, 1)$
211 : $P_{8606} = (29, 11, 7, 1)$	265 : $P_{10386} = (17, 3, 9, 1)$	319 : $P_{11961} = (24, 20, 10, 1)$
212 : $P_{8627} = (18, 12, 7, 1)$	266 : $P_{10407} = (6, 4, 9, 1)$	320 : $P_{11965} = (28, 20, 10, 1)$
213 : $P_{8694} = (21, 14, 7, 1)$	267 : $P_{10440} = (7, 5, 9, 1)$	321 : $P_{11984} = (15, 21, 10, 1)$
214 : $P_{8711} = (6, 15, 7, 1)$	268 : $P_{10458} = (25, 5, 9, 1)$	322 : $P_{12001} = (0, 22, 10, 1)$
215 : $P_{8754} = (17, 16, 7, 1)$	269 : $P_{10464} = (31, 5, 9, 1)$	323 : $P_{12087} = (22, 24, 10, 1)$
216 : $P_{8769} = (0, 17, 7, 1)$	270 : $P_{10483} = (18, 6, 9, 1)$	324 : $P_{12105} = (8, 25, 10, 1)$
217 : $P_{8840} = (7, 19, 7, 1)$	271 : $P_{10518} = (21, 7, 9, 1)$	325 : $P_{12130} = (1, 26, 10, 1)$
218 : $P_{8872} = (7, 20, 7, 1)$	272 : $P_{10580} = (19, 9, 9, 1)$	326 : $P_{12144} = (15, 26, 10, 1)$
219 : $P_{8917} = (20, 21, 7, 1)$	273 : $P_{10594} = (1, 10, 9, 1)$	327 : $P_{12162} = (1, 27, 10, 1)$
220 : $P_{8958} = (29, 22, 7, 1)$	274 : $P_{10597} = (4, 10, 9, 1)$	328 : $P_{12168} = (7, 27, 10, 1)$
221 : $P_{8971} = (10, 23, 7, 1)$	275 : $P_{10626} = (1, 11, 9, 1)$	329 : $P_{12200} = (7, 28, 10, 1)$
222 : $P_{9024} = (31, 24, 7, 1)$	276 : $P_{10647} = (22, 11, 9, 1)$	330 : $P_{12237} = (12, 29, 10, 1)$
223 : $P_{9110} = (21, 27, 7, 1)$	277 : $P_{10717} = (28, 13, 9, 1)$	331 : $P_{12284} = (27, 30, 10, 1)$
224 : $P_{9148} = (27, 28, 7, 1)$	278 : $P_{10725} = (4, 14, 9, 1)$	332 : $P_{12389} = (4, 2, 11, 1)$
225 : $P_{9163} = (10, 29, 7, 1)$	279 : $P_{10845} = (28, 17, 9, 1)$	333 : $P_{12425} = (8, 3, 11, 1)$
226 : $P_{9203} = (18, 30, 7, 1)$	280 : $P_{10854} = (5, 18, 9, 1)$	334 : $P_{12435} = (18, 3, 11, 1)$
227 : $P_{9311} = (30, 1, 8, 1)$	281 : $P_{10866} = (17, 18, 9, 1)$	335 : $P_{12444} = (27, 3, 11, 1)$
228 : $P_{9321} = (8, 2, 8, 1)$	282 : $P_{10870} = (21, 18, 9, 1)$	336 : $P_{12449} = (0, 4, 11, 1)$
229 : $P_{9358} = (13, 3, 8, 1)$	283 : $P_{10893} = (12, 19, 9, 1)$	337 : $P_{12469} = (20, 4, 11, 1)$
230 : $P_{9403} = (26, 4, 8, 1)$	284 : $P_{10931} = (18, 20, 9, 1)$	338 : $P_{12470} = (21, 4, 11, 1)$
231 : $P_{9412} = (3, 5, 8, 1)$	285 : $P_{11014} = (5, 23, 9, 1)$	339 : $P_{12493} = (12, 5, 11, 1)$
232 : $P_{9426} = (17, 5, 8, 1)$	286 : $P_{11018} = (9, 23, 9, 1)$	340 : $P_{12517} = (4, 6, 11, 1)$
233 : $P_{9428} = (19, 5, 8, 1)$	287 : $P_{11022} = (13, 23, 9, 1)$	341 : $P_{12603} = (26, 8, 11, 1)$

342 : $P_{12621} = (12, 9, 11, 1)$	396 : $P_{14276} = (3, 29, 12, 1)$	450 : $P_{16320} = (31, 28, 14, 1)$
343 : $P_{12626} = (17, 9, 11, 1)$	397 : $P_{14308} = (3, 30, 12, 1)$	451 : $P_{16328} = (7, 29, 14, 1)$
344 : $P_{12637} = (28, 9, 11, 1)$	398 : $P_{14313} = (8, 30, 12, 1)$	452 : $P_{16338} = (17, 29, 14, 1)$
345 : $P_{12681} = (8, 11, 11, 1)$	399 : $P_{14315} = (10, 30, 12, 1)$	453 : $P_{16344} = (23, 29, 14, 1)$
346 : $P_{12728} = (23, 12, 11, 1)$	400 : $P_{14425} = (24, 1, 13, 1)$	454 : $P_{16367} = (14, 30, 14, 1)$
347 : $P_{12770} = (1, 14, 11, 1)$	401 : $P_{14512} = (15, 4, 13, 1)$	455 : $P_{16375} = (22, 30, 14, 1)$
348 : $P_{12785} = (16, 14, 11, 1)$	402 : $P_{14516} = (19, 4, 13, 1)$	456 : $P_{16378} = (25, 30, 14, 1)$
349 : $P_{12802} = (1, 15, 11, 1)$	403 : $P_{14526} = (29, 4, 13, 1)$	457 : $P_{16396} = (11, 31, 14, 1)$
350 : $P_{12826} = (25, 15, 11, 1)$	404 : $P_{14543} = (14, 5, 13, 1)$	458 : $P_{16505} = (24, 2, 15, 1)$
351 : $P_{12853} = (20, 16, 11, 1)$	405 : $P_{14641} = (16, 8, 13, 1)$	459 : $P_{16561} = (16, 4, 15, 1)$
352 : $P_{12871} = (6, 17, 11, 1)$	406 : $P_{14721} = (0, 11, 13, 1)$	460 : $P_{16579} = (2, 5, 15, 1)$
353 : $P_{12883} = (18, 17, 11, 1)$	407 : $P_{14735} = (14, 11, 13, 1)$	461 : $P_{16586} = (9, 5, 15, 1)$
354 : $P_{12886} = (21, 17, 11, 1)$	408 : $P_{14736} = (15, 11, 13, 1)$	462 : $P_{16587} = (10, 5, 15, 1)$
355 : $P_{12923} = (26, 18, 11, 1)$	409 : $P_{14787} = (2, 13, 13, 1)$	463 : $P_{16643} = (2, 7, 15, 1)$
356 : $P_{12940} = (11, 19, 11, 1)$	410 : $P_{14851} = (2, 15, 13, 1)$	464 : $P_{16653} = (12, 7, 15, 1)$
357 : $P_{12970} = (9, 20, 11, 1)$	411 : $P_{14985} = (8, 19, 13, 1)$	465 : $P_{16656} = (15, 7, 15, 1)$
358 : $P_{13021} = (28, 21, 11, 1)$	412 : $P_{15044} = (3, 21, 13, 1)$	466 : $P_{16688} = (15, 8, 15, 1)$
359 : $P_{13050} = (25, 22, 11, 1)$	413 : $P_{15074} = (1, 22, 13, 1)$	467 : $P_{16708} = (3, 9, 15, 1)$
360 : $P_{13063} = (6, 23, 11, 1)$	414 : $P_{15076} = (3, 22, 13, 1)$	468 : $P_{16740} = (3, 10, 15, 1)$
361 : $P_{13100} = (11, 24, 11, 1)$	415 : $P_{15106} = (1, 23, 13, 1)$	469 : $P_{16781} = (12, 11, 15, 1)$
362 : $P_{13106} = (17, 24, 11, 1)$	416 : $P_{15124} = (19, 23, 13, 1)$	470 : $P_{16792} = (23, 11, 15, 1)$
363 : $P_{13116} = (27, 24, 11, 1)$	417 : $P_{15153} = (16, 24, 13, 1)$	471 : $P_{16795} = (26, 11, 15, 1)$
364 : $P_{13208} = (23, 27, 11, 1)$	418 : $P_{15173} = (4, 25, 13, 1)$	472 : $P_{16810} = (9, 12, 15, 1)$
365 : $P_{13258} = (9, 29, 11, 1)$	419 : $P_{15193} = (24, 25, 13, 1)$	473 : $P_{16821} = (20, 12, 15, 1)$
366 : $P_{13297} = (16, 30, 11, 1)$	420 : $P_{15198} = (29, 25, 13, 1)$	474 : $P_{16829} = (28, 12, 15, 1)$
367 : $P_{13418} = (9, 2, 12, 1)$	421 : $P_{15241} = (8, 27, 13, 1)$	475 : $P_{16862} = (29, 13, 15, 1)$
368 : $P_{13453} = (12, 3, 12, 1)$	422 : $P_{15301} = (4, 29, 13, 1)$	476 : $P_{16907} = (10, 15, 15, 1)$
369 : $P_{13461} = (20, 3, 12, 1)$	423 : $P_{15433} = (8, 1, 14, 1)$	477 : $P_{16929} = (0, 16, 15, 1)$
370 : $P_{13466} = (25, 3, 12, 1)$	424 : $P_{15458} = (1, 2, 14, 1)$	478 : $P_{16957} = (28, 16, 15, 1)$
371 : $P_{13552} = (15, 6, 12, 1)$	425 : $P_{15478} = (21, 2, 14, 1)$	479 : $P_{16958} = (29, 16, 15, 1)$
372 : $P_{13597} = (28, 7, 12, 1)$	426 : $P_{15490} = (1, 3, 14, 1)$	480 : $P_{16987} = (26, 17, 15, 1)$
373 : $P_{13648} = (15, 9, 12, 1)$	427 : $P_{15520} = (31, 3, 14, 1)$	481 : $P_{17038} = (13, 19, 15, 1)$
374 : $P_{13687} = (22, 10, 12, 1)$	428 : $P_{15595} = (10, 6, 14, 1)$	482 : $P_{17073} = (16, 20, 15, 1)$
375 : $P_{13706} = (9, 11, 12, 1)$	429 : $P_{15642} = (25, 7, 14, 1)$	483 : $P_{17132} = (11, 22, 15, 1)$
376 : $P_{13713} = (16, 11, 12, 1)$	430 : $P_{15654} = (5, 8, 14, 1)$	484 : $P_{17205} = (20, 24, 15, 1)$
377 : $P_{13721} = (24, 11, 12, 1)$	431 : $P_{15667} = (18, 8, 14, 1)$	485 : $P_{17223} = (6, 25, 15, 1)$
378 : $P_{13756} = (27, 12, 12, 1)$	432 : $P_{15671} = (22, 8, 14, 1)$	486 : $P_{17273} = (24, 26, 15, 1)$
379 : $P_{13837} = (12, 15, 12, 1)$	433 : $P_{15689} = (8, 9, 14, 1)$	487 : $P_{17336} = (23, 28, 15, 1)$
380 : $P_{13925} = (4, 18, 12, 1)$	434 : $P_{15736} = (23, 10, 14, 1)$	488 : $P_{17356} = (11, 29, 15, 1)$
381 : $P_{13977} = (24, 19, 12, 1)$	435 : $P_{15787} = (10, 12, 14, 1)$	489 : $P_{17378} = (1, 30, 15, 1)$
382 : $P_{13995} = (10, 20, 12, 1)$	436 : $P_{15794} = (17, 12, 14, 1)$	490 : $P_{17390} = (13, 30, 15, 1)$
383 : $P_{14053} = (4, 22, 12, 1)$	437 : $P_{15803} = (26, 12, 14, 1)$	491 : $P_{17410} = (1, 31, 15, 1)$
384 : $P_{14057} = (8, 22, 12, 1)$	438 : $P_{15814} = (5, 13, 14, 1)$	492 : $P_{17415} = (6, 31, 15, 1)$
385 : $P_{14062} = (13, 22, 12, 1)$	439 : $P_{15861} = (20, 14, 14, 1)$	493 : $P_{17496} = (23, 1, 16, 1)$
386 : $P_{14095} = (14, 23, 12, 1)$	440 : $P_{15919} = (14, 16, 14, 1)$	494 : $P_{17516} = (11, 2, 16, 1)$
387 : $P_{14101} = (20, 23, 12, 1)$	441 : $P_{15939} = (2, 17, 14, 1)$	495 : $P_{17525} = (20, 2, 16, 1)$
388 : $P_{14108} = (27, 23, 12, 1)$	442 : $P_{16003} = (2, 19, 14, 1)$	496 : $P_{17535} = (30, 2, 16, 1)$
389 : $P_{14113} = (0, 24, 12, 1)$	443 : $P_{16044} = (11, 20, 14, 1)$	497 : $P_{17547} = (10, 3, 16, 1)$
390 : $P_{14159} = (14, 25, 12, 1)$	444 : $P_{16123} = (26, 22, 14, 1)$	498 : $P_{17691} = (26, 7, 16, 1)$
391 : $P_{14202} = (25, 26, 12, 1)$	445 : $P_{16150} = (21, 23, 14, 1)$	499 : $P_{17729} = (0, 9, 16, 1)$
392 : $P_{14222} = (13, 27, 12, 1)$	446 : $P_{16193} = (0, 25, 14, 1)$	500 : $P_{17739} = (10, 9, 16, 1)$
393 : $P_{14225} = (16, 27, 12, 1)$	447 : $P_{16232} = (7, 26, 14, 1)$	501 : $P_{17740} = (11, 9, 16, 1)$
394 : $P_{14237} = (28, 27, 12, 1)$	448 : $P_{16243} = (18, 26, 14, 1)$	502 : $P_{17820} = (27, 11, 16, 1)$
395 : $P_{14263} = (22, 28, 12, 1)$	449 : $P_{16245} = (20, 26, 14, 1)$	503 : $P_{17876} = (19, 13, 16, 1)$

504 : $P_{17980} = (27, 16, 16, 1)$	558 : $P_{19806} = (29, 9, 18, 1)$	612 : $P_{21339} = (26, 25, 19, 1)$
505 : $P_{18053} = (4, 19, 16, 1)$	559 : $P_{19811} = (2, 10, 18, 1)$	613 : $P_{21341} = (28, 25, 19, 1)$
506 : $P_{18083} = (2, 20, 16, 1)$	560 : $P_{19888} = (15, 12, 18, 1)$	614 : $P_{21361} = (16, 26, 19, 1)$
507 : $P_{18147} = (2, 22, 16, 1)$	561 : $P_{19889} = (16, 12, 18, 1)$	615 : $P_{21396} = (19, 27, 19, 1)$
508 : $P_{18165} = (20, 22, 16, 1)$	562 : $P_{19903} = (30, 12, 18, 1)$	616 : $P_{21429} = (20, 28, 19, 1)$
509 : $P_{18168} = (23, 22, 16, 1)$	563 : $P_{19932} = (27, 13, 18, 1)$	617 : $P_{21471} = (30, 29, 19, 1)$
510 : $P_{18181} = (4, 23, 16, 1)$	564 : $P_{19955} = (18, 14, 18, 1)$	618 : $P_{21480} = (7, 30, 19, 1)$
511 : $P_{18338} = (1, 28, 16, 1)$	565 : $P_{19986} = (17, 15, 18, 1)$	619 : $P_{21587} = (18, 1, 20, 1)$
512 : $P_{18367} = (30, 28, 16, 1)$	566 : $P_{20022} = (21, 16, 18, 1)$	620 : $P_{21627} = (26, 2, 20, 1)$
513 : $P_{18370} = (1, 29, 16, 1)$	567 : $P_{20095} = (30, 18, 18, 1)$	621 : $P_{21656} = (23, 3, 20, 1)$
514 : $P_{18395} = (26, 29, 16, 1)$	568 : $P_{20158} = (29, 20, 18, 1)$	622 : $P_{21674} = (9, 4, 20, 1)$
515 : $P_{18420} = (19, 30, 16, 1)$	569 : $P_{20183} = (22, 21, 18, 1)$	623 : $P_{21687} = (22, 4, 20, 1)$
516 : $P_{18665} = (8, 6, 17, 1)$	570 : $P_{20220} = (27, 22, 18, 1)$	624 : $P_{21695} = (30, 4, 20, 1)$
517 : $P_{18750} = (29, 8, 17, 1)$	571 : $P_{20264} = (7, 24, 18, 1)$	625 : $P_{21740} = (11, 6, 20, 1)$
518 : $P_{18757} = (4, 9, 17, 1)$	572 : $P_{20320} = (31, 25, 18, 1)$	626 : $P_{21769} = (8, 7, 20, 1)$
519 : $P_{18771} = (18, 9, 17, 1)$	573 : $P_{20326} = (5, 26, 18, 1)$	627 : $P_{21778} = (17, 7, 20, 1)$
520 : $P_{18776} = (23, 9, 17, 1)$	574 : $P_{20353} = (0, 27, 18, 1)$	628 : $P_{21785} = (24, 7, 20, 1)$
521 : $P_{18834} = (17, 11, 17, 1)$	575 : $P_{20377} = (24, 27, 18, 1)$	629 : $P_{21852} = (27, 9, 20, 1)$
522 : $P_{18871} = (22, 12, 17, 1)$	576 : $P_{20378} = (25, 27, 18, 1)$	630 : $P_{21923} = (2, 12, 20, 1)$
523 : $P_{18885} = (4, 13, 17, 1)$	577 : $P_{20388} = (3, 28, 18, 1)$	631 : $P_{21956} = (3, 13, 20, 1)$
524 : $P_{18897} = (16, 13, 17, 1)$	578 : $P_{20401} = (16, 28, 18, 1)$	632 : $P_{21962} = (9, 13, 20, 1)$
525 : $P_{18902} = (21, 13, 17, 1)$	579 : $P_{20403} = (18, 28, 18, 1)$	633 : $P_{21964} = (11, 13, 20, 1)$
526 : $P_{18921} = (8, 14, 17, 1)$	580 : $P_{20466} = (17, 30, 18, 1)$	634 : $P_{21985} = (0, 14, 20, 1)$
527 : $P_{18932} = (19, 14, 17, 1)$	581 : $P_{20484} = (3, 31, 18, 1)$	635 : $P_{21987} = (2, 14, 20, 1)$
528 : $P_{18939} = (26, 14, 17, 1)$	582 : $P_{20486} = (5, 31, 18, 1)$	636 : $P_{21988} = (3, 14, 20, 1)$
529 : $P_{19022} = (13, 17, 17, 1)$	583 : $P_{20488} = (7, 31, 18, 1)$	637 : $P_{22025} = (8, 15, 20, 1)$
530 : $P_{19052} = (11, 18, 17, 1)$	584 : $P_{20559} = (14, 1, 19, 1)$	638 : $P_{22038} = (21, 15, 20, 1)$
531 : $P_{19131} = (26, 20, 17, 1)$	585 : $P_{20589} = (12, 2, 19, 1)$	639 : $P_{22045} = (28, 15, 20, 1)$
532 : $P_{19166} = (29, 21, 17, 1)$	586 : $P_{20614} = (5, 3, 19, 1)$	640 : $P_{22059} = (10, 16, 20, 1)$
533 : $P_{19179} = (10, 22, 17, 1)$	587 : $P_{20635} = (26, 3, 19, 1)$	641 : $P_{22125} = (12, 18, 20, 1)$
534 : $P_{19201} = (0, 23, 17, 1)$	588 : $P_{20639} = (30, 3, 19, 1)$	642 : $P_{22135} = (22, 18, 20, 1)$
535 : $P_{19254} = (21, 24, 17, 1)$	589 : $P_{20684} = (11, 5, 19, 1)$	643 : $P_{22140} = (27, 18, 20, 1)$
536 : $P_{19276} = (11, 25, 17, 1)$	590 : $P_{20695} = (22, 5, 19, 1)$	644 : $P_{22160} = (15, 19, 20, 1)$
537 : $P_{19303} = (6, 26, 17, 1)$	591 : $P_{20701} = (28, 5, 19, 1)$	645 : $P_{22163} = (18, 19, 20, 1)$
538 : $P_{19314} = (17, 26, 17, 1)$	592 : $P_{20710} = (5, 6, 19, 1)$	646 : $P_{22173} = (28, 19, 20, 1)$
539 : $P_{19319} = (22, 26, 17, 1)$	593 : $P_{20760} = (23, 7, 19, 1)$	647 : $P_{22200} = (23, 20, 20, 1)$
540 : $P_{19347} = (18, 27, 17, 1)$	594 : $P_{20775} = (6, 8, 19, 1)$	648 : $P_{22258} = (17, 22, 20, 1)$
541 : $P_{19367} = (6, 28, 17, 1)$	595 : $P_{20788} = (19, 8, 19, 1)$	649 : $P_{22331} = (26, 24, 20, 1)$
542 : $P_{19371} = (10, 28, 17, 1)$	596 : $P_{20789} = (20, 8, 19, 1)$	650 : $P_{22379} = (10, 26, 20, 1)$
543 : $P_{19374} = (13, 28, 17, 1)$	597 : $P_{20832} = (31, 9, 19, 1)$	651 : $P_{22390} = (21, 26, 20, 1)$
544 : $P_{19395} = (2, 29, 17, 1)$	598 : $P_{20849} = (16, 10, 19, 1)$	652 : $P_{22399} = (30, 26, 20, 1)$
545 : $P_{19409} = (16, 29, 17, 1)$	599 : $P_{20967} = (6, 14, 19, 1)$	653 : $P_{22448} = (15, 28, 20, 1)$
546 : $P_{19412} = (19, 29, 17, 1)$	600 : $P_{20972} = (11, 14, 19, 1)$	654 : $P_{22509} = (12, 30, 20, 1)$
547 : $P_{19448} = (23, 30, 17, 1)$	601 : $P_{20973} = (12, 14, 19, 1)$	655 : $P_{22553} = (24, 31, 20, 1)$
548 : $P_{19459} = (2, 31, 17, 1)$	602 : $P_{21007} = (14, 15, 19, 1)$	656 : $P_{22605} = (12, 1, 21, 1)$
549 : $P_{19578} = (25, 2, 18, 1)$	603 : $P_{21026} = (1, 16, 19, 1)$	657 : $P_{22609} = (16, 1, 21, 1)$
550 : $P_{19600} = (15, 3, 18, 1)$	604 : $P_{21048} = (23, 16, 19, 1)$	658 : $P_{22622} = (29, 1, 21, 1)$
551 : $P_{19607} = (22, 3, 18, 1)$	605 : $P_{21058} = (1, 17, 19, 1)$	659 : $P_{22653} = (28, 2, 21, 1)$
552 : $P_{19609} = (24, 3, 18, 1)$	606 : $P_{21066} = (9, 17, 19, 1)$	660 : $P_{22706} = (17, 4, 21, 1)$
553 : $P_{19670} = (21, 5, 18, 1)$	607 : $P_{21143} = (22, 19, 19, 1)$	661 : $P_{22803} = (18, 7, 21, 1)$
554 : $P_{19712} = (31, 6, 18, 1)$	608 : $P_{21153} = (0, 20, 19, 1)$	662 : $P_{22838} = (21, 8, 21, 1)$
555 : $P_{19746} = (1, 8, 18, 1)$	609 : $P_{21248} = (31, 22, 19, 1)$	663 : $P_{22933} = (20, 11, 21, 1)$
556 : $P_{19747} = (2, 8, 18, 1)$	610 : $P_{21290} = (9, 24, 19, 1)$	664 : $P_{22945} = (0, 12, 21, 1)$
557 : $P_{19778} = (1, 9, 18, 1)$	611 : $P_{21320} = (7, 25, 19, 1)$	665 : $P_{22989} = (12, 13, 21, 1)$

666 : $P_{23063} = (22, 15, 21, 1)$	720 : $P_{24668} = (27, 1, 23, 1)$	774 : $P_{26890} = (9, 7, 25, 1)$
667 : $P_{23121} = (16, 17, 21, 1)$	721 : $P_{24676} = (3, 2, 23, 1)$	775 : $P_{26913} = (0, 8, 25, 1)$
668 : $P_{23178} = (9, 19, 21, 1)$	722 : $P_{24705} = (0, 3, 23, 1)$	776 : $P_{26925} = (12, 8, 25, 1)$
669 : $P_{23235} = (2, 21, 21, 1)$	723 : $P_{24784} = (15, 5, 23, 1)$	777 : $P_{26926} = (13, 8, 25, 1)$
670 : $P_{23250} = (17, 21, 21, 1)$	724 : $P_{24820} = (19, 6, 23, 1)$	778 : $P_{26952} = (7, 9, 25, 1)$
671 : $P_{23251} = (18, 21, 21, 1)$	725 : $P_{24849} = (16, 7, 23, 1)$	779 : $P_{26969} = (24, 9, 25, 1)$
672 : $P_{23279} = (14, 22, 21, 1)$	726 : $P_{24889} = (24, 8, 23, 1)$	780 : $P_{26975} = (30, 9, 25, 1)$
673 : $P_{23299} = (2, 23, 21, 1)$	727 : $P_{24919} = (22, 9, 23, 1)$	781 : $P_{26982} = (5, 10, 25, 1)$
674 : $P_{23343} = (14, 24, 21, 1)$	728 : $P_{24944} = (15, 10, 23, 1)$	782 : $P_{27037} = (28, 11, 25, 1)$
675 : $P_{23383} = (22, 25, 21, 1)$	729 : $P_{25051} = (26, 13, 23, 1)$	783 : $P_{27062} = (21, 12, 25, 1)$
676 : $P_{23402} = (9, 26, 21, 1)$	730 : $P_{25080} = (23, 14, 23, 1)$	784 : $P_{27090} = (17, 13, 25, 1)$
677 : $P_{23486} = (29, 28, 21, 1)$	731 : $P_{25145} = (24, 16, 23, 1)$	785 : $P_{27112} = (7, 14, 25, 1)$
678 : $P_{23510} = (21, 29, 21, 1)$	732 : $P_{25191} = (6, 18, 23, 1)$	786 : $P_{27114} = (9, 14, 25, 1)$
679 : $P_{23549} = (28, 30, 21, 1)$	733 : $P_{25255} = (6, 20, 23, 1)$	787 : $P_{27120} = (15, 14, 25, 1)$
680 : $P_{23573} = (20, 31, 21, 1)$	734 : $P_{25300} = (19, 21, 23, 1)$	788 : $P_{27142} = (5, 15, 25, 1)$
681 : $P_{23628} = (11, 1, 22, 1)$	735 : $P_{25356} = (11, 23, 23, 1)$	789 : $P_{27153} = (16, 15, 25, 1)$
682 : $P_{23664} = (15, 2, 22, 1)$	736 : $P_{25361} = (16, 23, 23, 1)$	790 : $P_{27157} = (20, 15, 25, 1)$
683 : $P_{23666} = (17, 2, 22, 1)$	737 : $P_{25371} = (26, 23, 23, 1)$	791 : $P_{27211} = (10, 17, 25, 1)$
684 : $P_{23680} = (31, 2, 22, 1)$	738 : $P_{25402} = (25, 24, 23, 1)$	792 : $P_{27220} = (19, 17, 25, 1)$
685 : $P_{23697} = (16, 3, 22, 1)$	739 : $P_{25432} = (23, 25, 23, 1)$	793 : $P_{27225} = (24, 17, 25, 1)$
686 : $P_{23753} = (8, 5, 22, 1)$	740 : $P_{25468} = (27, 26, 23, 1)$	794 : $P_{27300} = (3, 20, 25, 1)$
687 : $P_{23768} = (23, 5, 22, 1)$	741 : $P_{25516} = (11, 28, 23, 1)$	795 : $P_{27379} = (18, 22, 25, 1)$
688 : $P_{23775} = (30, 5, 22, 1)$	742 : $P_{25623} = (22, 31, 23, 1)$	796 : $P_{27396} = (3, 23, 25, 1)$
689 : $P_{23803} = (26, 6, 22, 1)$	743 : $P_{25667} = (2, 1, 24, 1)$	797 : $P_{27421} = (28, 23, 25, 1)$
690 : $P_{23844} = (3, 8, 22, 1)$	744 : $P_{25670} = (5, 1, 24, 1)$	798 : $P_{27423} = (30, 23, 25, 1)$
691 : $P_{23894} = (21, 9, 22, 1)$	745 : $P_{25671} = (6, 1, 24, 1)$	799 : $P_{27478} = (21, 25, 25, 1)$
692 : $P_{23916} = (11, 10, 22, 1)$	746 : $P_{25731} = (2, 3, 24, 1)$	800 : $P_{27531} = (10, 27, 25, 1)$
693 : $P_{23923} = (18, 10, 22, 1)$	747 : $P_{25766} = (5, 4, 24, 1)$	801 : $P_{27541} = (20, 27, 25, 1)$
694 : $P_{23929} = (24, 10, 22, 1)$	748 : $P_{25793} = (0, 5, 24, 1)$	802 : $P_{27552} = (31, 27, 25, 1)$
695 : $P_{23940} = (3, 11, 22, 1)$	749 : $P_{25849} = (24, 6, 24, 1)$	803 : $P_{27570} = (17, 28, 25, 1)$
696 : $P_{23941} = (4, 11, 22, 1)$	750 : $P_{25863} = (6, 7, 24, 1)$	804 : $P_{27665} = (16, 31, 25, 1)$
697 : $P_{23943} = (6, 11, 22, 1)$	751 : $P_{25941} = (20, 9, 24, 1)$	805 : $P_{27758} = (13, 2, 26, 1)$
698 : $P_{24007} = (6, 13, 22, 1)$	752 : $P_{25960} = (7, 10, 24, 1)$	806 : $P_{27768} = (23, 2, 26, 1)$
699 : $P_{24009} = (8, 13, 22, 1)$	753 : $P_{26010} = (25, 11, 24, 1)$	807 : $P_{27772} = (27, 2, 26, 1)$
700 : $P_{24016} = (15, 13, 22, 1)$	754 : $P_{26056} = (7, 13, 24, 1)$	808 : $P_{27783} = (6, 3, 26, 1)$
701 : $P_{24069} = (4, 15, 22, 1)$	755 : $P_{26112} = (31, 14, 24, 1)$	809 : $P_{27820} = (11, 4, 26, 1)$
702 : $P_{24102} = (5, 16, 22, 1)$	756 : $P_{26208} = (31, 17, 24, 1)$	810 : $P_{27847} = (6, 5, 26, 1)$
703 : $P_{24136} = (7, 17, 22, 1)$	757 : $P_{26234} = (25, 18, 24, 1)$	811 : $P_{27867} = (26, 5, 26, 1)$
704 : $P_{24175} = (14, 18, 22, 1)$	758 : $P_{26281} = (8, 20, 24, 1)$	812 : $P_{27870} = (29, 5, 26, 1)$
705 : $P_{24184} = (23, 18, 22, 1)$	759 : $P_{26318} = (13, 21, 24, 1)$	813 : $P_{27903} = (30, 6, 26, 1)$
706 : $P_{24185} = (24, 18, 22, 1)$	760 : $P_{26384} = (15, 23, 24, 1)$	814 : $P_{27905} = (0, 7, 26, 1)$
707 : $P_{24193} = (0, 19, 22, 1)$	761 : $P_{26404} = (3, 24, 24, 1)$	815 : $P_{27944} = (7, 8, 26, 1)$
708 : $P_{24209} = (16, 19, 22, 1)$	762 : $P_{26414} = (13, 24, 24, 1)$	816 : $P_{27985} = (16, 9, 26, 1)$
709 : $P_{24210} = (17, 19, 22, 1)$	763 : $P_{26416} = (15, 24, 24, 1)$	817 : $P_{28064} = (31, 11, 26, 1)$
710 : $P_{24262} = (5, 21, 22, 1)$	764 : $P_{26500} = (3, 27, 24, 1)$	818 : $P_{28154} = (25, 14, 26, 1)$
711 : $P_{24296} = (7, 22, 22, 1)$	765 : $P_{26537} = (8, 28, 24, 1)$	819 : $P_{28168} = (7, 15, 26, 1)$
712 : $P_{24371} = (18, 24, 22, 1)$	766 : $P_{26581} = (20, 29, 24, 1)$	820 : $P_{28172} = (11, 15, 26, 1)$
713 : $P_{24479} = (30, 27, 22, 1)$	767 : $P_{26617} = (24, 30, 24, 1)$	821 : $P_{28174} = (13, 15, 26, 1)$
714 : $P_{24495} = (14, 28, 22, 1)$	768 : $P_{26704} = (15, 1, 25, 1)$	822 : $P_{28294} = (5, 19, 26, 1)$
715 : $P_{24502} = (21, 28, 22, 1)$	769 : $P_{26740} = (19, 2, 25, 1)$	823 : $P_{28299} = (10, 19, 26, 1)$
716 : $P_{24507} = (26, 28, 22, 1)$	770 : $P_{26797} = (12, 4, 25, 1)$	824 : $P_{28303} = (14, 19, 26, 1)$
717 : $P_{24544} = (31, 29, 22, 1)$	771 : $P_{26803} = (18, 4, 25, 1)$	825 : $P_{28352} = (31, 20, 26, 1)$
718 : $P_{24644} = (3, 1, 23, 1)$	772 : $P_{26816} = (31, 4, 25, 1)$	826 : $P_{28376} = (23, 21, 26, 1)$
719 : $P_{24666} = (25, 1, 23, 1)$	773 : $P_{26830} = (13, 5, 25, 1)$	827 : $P_{28390} = (5, 22, 26, 1)$

828 : $P_{28442} = (25, 23, 26, 1)$	882 : $P_{30629} = (4, 28, 28, 1)$	936 : $P_{32139} = (10, 11, 30, 1)$
829 : $P_{28451} = (2, 24, 26, 1)$	883 : $P_{30634} = (9, 28, 28, 1)$	937 : $P_{32165} = (4, 12, 30, 1)$
830 : $P_{28478} = (29, 24, 26, 1)$	884 : $P_{30637} = (12, 28, 28, 1)$	938 : $P_{32223} = (30, 13, 30, 1)$
831 : $P_{28479} = (30, 24, 26, 1)$	885 : $P_{30746} = (25, 31, 28, 1)$	939 : $P_{32249} = (24, 14, 30, 1)$
832 : $P_{28491} = (10, 25, 26, 1)$	886 : $P_{30794} = (9, 1, 29, 1)$	940 : $P_{32368} = (15, 18, 30, 1)$
833 : $P_{28497} = (16, 25, 26, 1)$	887 : $P_{30863} = (14, 3, 29, 1)$	941 : $P_{32391} = (6, 19, 30, 1)$
834 : $P_{28508} = (27, 25, 26, 1)$	888 : $P_{30868} = (19, 3, 29, 1)$	942 : $P_{32410} = (25, 19, 30, 1)$
835 : $P_{28515} = (2, 26, 26, 1)$	889 : $P_{30877} = (28, 3, 29, 1)$	943 : $P_{32415} = (30, 19, 30, 1)$
836 : $P_{28623} = (14, 29, 26, 1)$	890 : $P_{30884} = (3, 4, 29, 1)$	944 : $P_{32431} = (14, 20, 30, 1)$
837 : $P_{28699} = (26, 31, 26, 1)$	891 : $P_{30937} = (24, 5, 29, 1)$	945 : $P_{32455} = (6, 21, 30, 1)$
838 : $P_{28744} = (7, 1, 27, 1)$	892 : $P_{30980} = (3, 7, 29, 1)$	946 : $P_{32493} = (12, 22, 30, 1)$
839 : $P_{28779} = (10, 2, 27, 1)$	893 : $P_{31018} = (9, 8, 29, 1)$	947 : $P_{32502} = (21, 22, 30, 1)$
840 : $P_{28904} = (7, 6, 27, 1)$	894 : $P_{31032} = (23, 8, 29, 1)$	948 : $P_{32505} = (24, 22, 30, 1)$
841 : $P_{28913} = (16, 6, 27, 1)$	895 : $P_{31040} = (31, 8, 29, 1)$	949 : $P_{32531} = (18, 23, 30, 1)$
842 : $P_{28919} = (22, 6, 27, 1)$	896 : $P_{31043} = (2, 9, 29, 1)$	950 : $P_{32573} = (28, 24, 30, 1)$
843 : $P_{28942} = (13, 7, 27, 1)$	897 : $P_{31066} = (25, 9, 29, 1)$	951 : $P_{32580} = (3, 25, 30, 1)$
844 : $P_{28971} = (10, 8, 27, 1)$	898 : $P_{31067} = (26, 9, 29, 1)$	952 : $P_{32612} = (3, 26, 30, 1)$
845 : $P_{29038} = (13, 10, 27, 1)$	899 : $P_{31107} = (2, 11, 29, 1)$	953 : $P_{32621} = (12, 26, 30, 1)$
846 : $P_{29185} = (0, 15, 27, 1)$	900 : $P_{31183} = (14, 13, 29, 1)$	954 : $P_{32623} = (14, 26, 30, 1)$
847 : $P_{29215} = (30, 15, 27, 1)$	901 : $P_{31276} = (11, 16, 29, 1)$	955 : $P_{32658} = (17, 27, 30, 1)$
848 : $P_{29216} = (31, 15, 27, 1)$	902 : $P_{31284} = (19, 16, 29, 1)$	956 : $P_{32720} = (15, 29, 30, 1)$
849 : $P_{29225} = (8, 16, 27, 1)$	903 : $P_{31290} = (25, 16, 29, 1)$	957 : $P_{32766} = (29, 30, 30, 1)$
850 : $P_{29239} = (22, 16, 27, 1)$	904 : $P_{31336} = (7, 18, 29, 1)$	958 : $P_{32904} = (7, 3, 31, 1)$
851 : $P_{29248} = (31, 16, 27, 1)$	905 : $P_{31387} = (26, 19, 29, 1)$	959 : $P_{32936} = (7, 4, 31, 1)$
852 : $P_{29279} = (30, 17, 27, 1)$	906 : $P_{31408} = (15, 20, 29, 1)$	960 : $P_{33013} = (20, 6, 31, 1)$
853 : $P_{29425} = (16, 22, 27, 1)$	907 : $P_{31432} = (7, 21, 29, 1)$	961 : $P_{33054} = (29, 7, 31, 1)$
854 : $P_{29474} = (1, 24, 27, 1)$	908 : $P_{31435} = (10, 21, 29, 1)$	962 : $P_{33084} = (27, 8, 31, 1)$
855 : $P_{29481} = (8, 24, 27, 1)$	909 : $P_{31437} = (12, 21, 29, 1)$	963 : $P_{33152} = (31, 10, 31, 1)$
856 : $P_{29506} = (1, 25, 27, 1)$	910 : $P_{31520} = (31, 23, 29, 1)$	964 : $P_{33158} = (5, 11, 31, 1)$
857 : $P_{29510} = (5, 25, 27, 1)$	911 : $P_{31565} = (12, 25, 29, 1)$	965 : $P_{33188} = (3, 12, 31, 1)$
858 : $P_{29573} = (4, 27, 27, 1)$	912 : $P_{31589} = (4, 26, 29, 1)$	966 : $P_{33217} = (0, 13, 31, 1)$
859 : $P_{29606} = (5, 28, 27, 1)$	913 : $P_{31622} = (5, 27, 29, 1)$	967 : $P_{33239} = (22, 13, 31, 1)$
860 : $P_{29701} = (4, 31, 27, 1)$	914 : $P_{31628} = (11, 27, 29, 1)$	968 : $P_{33240} = (23, 13, 31, 1)$
861 : $P_{29774} = (13, 1, 28, 1)$	915 : $P_{31632} = (15, 27, 29, 1)$	969 : $P_{33254} = (5, 14, 31, 1)$
862 : $P_{29783} = (22, 1, 28, 1)$	916 : $P_{31705} = (24, 29, 29, 1)$	970 : $P_{33284} = (3, 15, 31, 1)$
863 : $P_{29787} = (26, 1, 28, 1)$	917 : $P_{31713} = (0, 30, 29, 1)$	971 : $P_{33305} = (24, 15, 31, 1)$
864 : $P_{29836} = (11, 3, 28, 1)$	918 : $P_{31717} = (4, 30, 29, 1)$	972 : $P_{33307} = (26, 15, 31, 1)$
865 : $P_{29880} = (23, 4, 28, 1)$	919 : $P_{31718} = (5, 30, 29, 1)$	973 : $P_{33326} = (13, 16, 31, 1)$
866 : $P_{29946} = (25, 6, 28, 1)$	920 : $P_{31755} = (10, 31, 29, 1)$	974 : $P_{33349} = (4, 17, 31, 1)$
867 : $P_{29983} = (30, 7, 28, 1)$	921 : $P_{31768} = (23, 31, 29, 1)$	975 : $P_{33356} = (11, 17, 31, 1)$
868 : $P_{29996} = (11, 8, 28, 1)$	922 : $P_{31773} = (28, 31, 29, 1)$	976 : $P_{33359} = (14, 17, 31, 1)$
869 : $P_{30077} = (28, 10, 28, 1)$	923 : $P_{31819} = (10, 1, 30, 1)$	977 : $P_{33378} = (1, 18, 31, 1)$
870 : $P_{30126} = (13, 12, 28, 1)$	924 : $P_{31882} = (9, 3, 30, 1)$	978 : $P_{33397} = (20, 18, 31, 1)$
871 : $P_{30238} = (29, 15, 28, 1)$	925 : $P_{31894} = (21, 3, 30, 1)$	979 : $P_{33410} = (1, 19, 31, 1)$
872 : $P_{30253} = (12, 16, 28, 1)$	926 : $P_{31902} = (29, 3, 30, 1)$	980 : $P_{33436} = (27, 19, 31, 1)$
873 : $P_{30334} = (29, 18, 28, 1)$	927 : $P_{31906} = (1, 4, 30, 1)$	981 : $P_{33477} = (4, 21, 31, 1)$
874 : $P_{30360} = (23, 19, 28, 1)$	928 : $P_{31933} = (28, 4, 30, 1)$	982 : $P_{33499} = (26, 21, 31, 1)$
875 : $P_{30410} = (9, 21, 28, 1)$	929 : $P_{31938} = (1, 5, 30, 1)$	983 : $P_{33504} = (31, 21, 31, 1)$
876 : $P_{30461} = (28, 22, 28, 1)$	930 : $P_{31955} = (18, 5, 30, 1)$	984 : $P_{33520} = (15, 22, 31, 1)$
877 : $P_{30487} = (22, 23, 28, 1)$	931 : $P_{31969} = (0, 6, 30, 1)$	985 : $P_{33561} = (24, 23, 31, 1)$
878 : $P_{30501} = (4, 24, 28, 1)$	932 : $P_{32037} = (4, 8, 30, 1)$	986 : $P_{33616} = (15, 25, 31, 1)$
879 : $P_{30559} = (30, 25, 28, 1)$	933 : $P_{32106} = (9, 10, 30, 1)$	987 : $P_{33644} = (11, 26, 31, 1)$
880 : $P_{30561} = (0, 26, 28, 1)$	934 : $P_{32114} = (17, 10, 30, 1)$	988 : $P_{33656} = (23, 26, 31, 1)$
881 : $P_{30619} = (26, 27, 28, 1)$	935 : $P_{32122} = (25, 10, 30, 1)$	989 : $P_{33662} = (29, 26, 31, 1)$

$$990 : P_{33687} = (22, 27, 31, 1)$$

$$991 : P_{33742} = (13, 29, 31, 1)$$

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