

Rank-65666 over GF(16)

January 15, 2021

The equation

The equation of the surface is :

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

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

The point rank of the equation over GF(16) is 304226854

General information

Number of lines	0
Number of points	225
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	225
Number of Hesse planes	0
Number of axes	0
Type of points on lines	
Type of lines on points	0^{225}

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 225 points not on any line:

The points on the surface but not on lines are:

0 : $P_4 = (1, 1, 1, 1)$	27 : $P_{398} = (12, 7, 0, 1)$
1 : $P_{35} = (0, 1, 1, 0)$	28 : $P_{407} = (5, 8, 0, 1)$
2 : $P_{36} = (1, 1, 1, 0)$	29 : $P_{408} = (6, 8, 0, 1)$
3 : $P_{62} = (11, 2, 1, 0)$	30 : $P_{412} = (10, 8, 0, 1)$
4 : $P_{93} = (10, 4, 1, 0)$	31 : $P_{431} = (13, 9, 0, 1)$
5 : $P_{129} = (14, 6, 1, 0)$	32 : $P_{434} = (0, 10, 0, 1)$
6 : $P_{135} = (4, 7, 1, 0)$	33 : $P_{445} = (11, 10, 0, 1)$
7 : $P_{174} = (11, 9, 1, 0)$	34 : $P_{450} = (0, 11, 0, 1)$
8 : $P_{179} = (0, 10, 1, 0)$	35 : $P_{460} = (10, 11, 0, 1)$
9 : $P_{180} = (1, 10, 1, 0)$	36 : $P_{472} = (6, 12, 0, 1)$
10 : $P_{189} = (10, 10, 1, 0)$	37 : $P_{489} = (7, 13, 0, 1)$
11 : $P_{195} = (0, 11, 1, 0)$	38 : $P_{505} = (7, 14, 0, 1)$
12 : $P_{196} = (1, 11, 1, 0)$	39 : $P_{522} = (8, 15, 0, 1)$
13 : $P_{206} = (11, 11, 1, 0)$	40 : $P_{525} = (11, 15, 0, 1)$
14 : $P_{220} = (9, 12, 1, 0)$	41 : $P_{527} = (13, 15, 0, 1)$
15 : $P_{229} = (2, 13, 1, 0)$	42 : $P_{530} = (0, 0, 1, 1)$
16 : $P_{253} = (10, 14, 1, 0)$	43 : $P_{590} = (13, 3, 1, 1)$
17 : $P_{290} = (0, 1, 0, 1)$	44 : $P_{616} = (7, 5, 1, 1)$
18 : $P_{318} = (12, 2, 0, 1)$	45 : $P_{627} = (2, 6, 1, 1)$
19 : $P_{329} = (7, 3, 0, 1)$	46 : $P_{650} = (9, 7, 1, 1)$
20 : $P_{332} = (10, 3, 0, 1)$	47 : $P_{669} = (12, 8, 1, 1)$
21 : $P_{337} = (15, 3, 0, 1)$	48 : $P_{690} = (1, 10, 1, 1)$
22 : $P_{344} = (6, 4, 0, 1)$	49 : $P_{692} = (3, 10, 1, 1)$
23 : $P_{357} = (3, 5, 0, 1)$	50 : $P_{697} = (8, 10, 1, 1)$
24 : $P_{365} = (11, 5, 0, 1)$	51 : $P_{706} = (1, 11, 1, 1)$
25 : $P_{366} = (12, 5, 0, 1)$	52 : $P_{710} = (5, 11, 1, 1)$
26 : $P_{383} = (13, 6, 0, 1)$	53 : $P_{720} = (15, 11, 1, 1)$

54 : $P_{735} = (14, 12, 1, 1)$	108 : $P_{2036} = (3, 14, 6, 1)$
55 : $P_{741} = (4, 13, 1, 1)$	109 : $P_{2040} = (7, 14, 6, 1)$
56 : $P_{775} = (6, 15, 1, 1)$	110 : $P_{2046} = (13, 14, 6, 1)$
57 : $P_{797} = (12, 0, 2, 1)$	111 : $P_{2077} = (12, 0, 7, 1)$
58 : $P_{825} = (8, 2, 2, 1)$	112 : $P_{2090} = (9, 1, 7, 1)$
59 : $P_{863} = (14, 4, 2, 1)$	113 : $P_{2105} = (8, 2, 7, 1)$
60 : $P_{873} = (8, 5, 2, 1)$	114 : $P_{2123} = (10, 3, 7, 1)$
61 : $P_{896} = (15, 6, 2, 1)$	115 : $P_{2135} = (6, 4, 7, 1)$
62 : $P_{905} = (8, 7, 2, 1)$	116 : $P_{2137} = (8, 4, 7, 1)$
63 : $P_{998} = (5, 13, 2, 1)$	117 : $P_{2141} = (12, 4, 7, 1)$
64 : $P_{1000} = (7, 13, 2, 1)$	118 : $P_{2164} = (3, 6, 7, 1)$
65 : $P_{1005} = (12, 13, 2, 1)$	119 : $P_{2169} = (8, 6, 7, 1)$
66 : $P_{1018} = (9, 14, 2, 1)$	120 : $P_{2172} = (11, 6, 7, 1)$
67 : $P_{1048} = (7, 0, 3, 1)$	121 : $P_{2214} = (5, 9, 7, 1)$
68 : $P_{1051} = (10, 0, 3, 1)$	122 : $P_{2242} = (1, 11, 7, 1)$
69 : $P_{1056} = (15, 0, 3, 1)$	123 : $P_{2261} = (4, 12, 7, 1)$
70 : $P_{1070} = (13, 1, 3, 1)$	124 : $P_{2275} = (2, 13, 7, 1)$
71 : $P_{1096} = (7, 3, 3, 1)$	125 : $P_{2326} = (5, 0, 8, 1)$
72 : $P_{1163} = (10, 7, 3, 1)$	126 : $P_{2327} = (6, 0, 8, 1)$
73 : $P_{1216} = (15, 10, 3, 1)$	127 : $P_{2331} = (10, 0, 8, 1)$
74 : $P_{1219} = (2, 11, 3, 1)$	128 : $P_{2349} = (12, 1, 8, 1)$
75 : $P_{1226} = (9, 11, 3, 1)$	129 : $P_{2400} = (15, 4, 8, 1)$
76 : $P_{1270} = (5, 14, 3, 1)$	130 : $P_{2427} = (10, 6, 8, 1)$
77 : $P_{1303} = (6, 0, 4, 1)$	131 : $P_{2455} = (6, 8, 8, 1)$
78 : $P_{1343} = (14, 2, 4, 1)$	132 : $P_{2486} = (5, 10, 8, 1)$
79 : $P_{1376} = (15, 4, 4, 1)$	133 : $P_{2499} = (2, 11, 8, 1)$
80 : $P_{1415} = (6, 7, 4, 1)$	134 : $P_{2506} = (9, 11, 8, 1)$
81 : $P_{1417} = (8, 7, 4, 1)$	135 : $P_{2590} = (13, 0, 9, 1)$
82 : $P_{1421} = (12, 7, 4, 1)$	136 : $P_{2643} = (2, 4, 9, 1)$
83 : $P_{1440} = (15, 8, 4, 1)$	137 : $P_{2676} = (3, 6, 9, 1)$
84 : $P_{1443} = (2, 9, 4, 1)$	138 : $P_{2694} = (5, 7, 9, 1)$
85 : $P_{1504} = (15, 12, 4, 1)$	139 : $P_{2724} = (3, 9, 9, 1)$
86 : $P_{1508} = (3, 13, 4, 1)$	140 : $P_{2775} = (6, 12, 9, 1)$
87 : $P_{1556} = (3, 0, 5, 1)$	141 : $P_{2782} = (13, 12, 9, 1)$
88 : $P_{1564} = (11, 0, 5, 1)$	142 : $P_{2784} = (15, 12, 9, 1)$
89 : $P_{1565} = (12, 0, 5, 1)$	143 : $P_{2805} = (4, 14, 9, 1)$
90 : $P_{1576} = (7, 1, 5, 1)$	144 : $P_{2820} = (3, 15, 9, 1)$
91 : $P_{1593} = (8, 2, 5, 1)$	145 : $P_{2833} = (0, 0, 10, 1)$
92 : $P_{1645} = (12, 5, 5, 1)$	146 : $P_{2844} = (11, 0, 10, 1)$
93 : $P_{1717} = (4, 10, 5, 1)$	147 : $P_{2850} = (1, 1, 10, 1)$
94 : $P_{1727} = (14, 10, 5, 1)$	148 : $P_{2852} = (3, 1, 10, 1)$
95 : $P_{1732} = (3, 11, 5, 1)$	149 : $P_{2857} = (8, 1, 10, 1)$
96 : $P_{1756} = (11, 12, 5, 1)$	150 : $P_{2896} = (15, 3, 10, 1)$
97 : $P_{1822} = (13, 0, 6, 1)$	151 : $P_{2917} = (4, 5, 10, 1)$
98 : $P_{1827} = (2, 1, 6, 1)$	152 : $P_{2927} = (14, 5, 10, 1)$
99 : $P_{1856} = (15, 2, 6, 1)$	153 : $P_{2966} = (5, 8, 10, 1)$
100 : $P_{1924} = (3, 7, 6, 1)$	154 : $P_{2997} = (4, 10, 10, 1)$
101 : $P_{1929} = (8, 7, 6, 1)$	155 : $P_{3004} = (11, 10, 10, 1)$
102 : $P_{1932} = (11, 7, 6, 1)$	156 : $P_{3007} = (14, 10, 10, 1)$
103 : $P_{1947} = (10, 8, 6, 1)$	157 : $P_{3026} = (1, 12, 10, 1)$
104 : $P_{1956} = (3, 9, 6, 1)$	158 : $P_{3042} = (1, 13, 10, 1)$
105 : $P_{1986} = (1, 11, 6, 1)$	159 : $P_{3077} = (4, 15, 10, 1)$
106 : $P_{2010} = (9, 12, 6, 1)$	160 : $P_{3087} = (14, 15, 10, 1)$
107 : $P_{2031} = (14, 13, 6, 1)$	161 : $P_{3089} = (0, 0, 11, 1)$

162 : $P_{3099} = (10, 0, 11, 1)$	194 : $P_{3640} = (7, 2, 13, 1)$
163 : $P_{3106} = (1, 1, 11, 1)$	195 : $P_{3645} = (12, 2, 13, 1)$
164 : $P_{3110} = (5, 1, 11, 1)$	196 : $P_{3668} = (3, 4, 13, 1)$
165 : $P_{3120} = (15, 1, 11, 1)$	197 : $P_{3711} = (14, 6, 13, 1)$
166 : $P_{3139} = (2, 3, 11, 1)$	198 : $P_{3715} = (2, 7, 13, 1)$
167 : $P_{3146} = (9, 3, 11, 1)$	199 : $P_{3762} = (1, 10, 13, 1)$
168 : $P_{3172} = (3, 5, 11, 1)$	200 : $P_{3798} = (5, 12, 13, 1)$
169 : $P_{3186} = (1, 6, 11, 1)$	201 : $P_{3803} = (10, 12, 13, 1)$
170 : $P_{3202} = (1, 7, 11, 1)$	202 : $P_{3808} = (15, 12, 13, 1)$
171 : $P_{3219} = (2, 8, 11, 1)$	203 : $P_{3830} = (5, 14, 13, 1)$
172 : $P_{3226} = (9, 8, 11, 1)$	204 : $P_{3852} = (11, 15, 13, 1)$
173 : $P_{3267} = (2, 11, 11, 1)$	205 : $P_{3864} = (7, 0, 14, 1)$
174 : $P_{3274} = (9, 11, 11, 1)$	206 : $P_{3898} = (9, 2, 14, 1)$
175 : $P_{3275} = (10, 11, 11, 1)$	207 : $P_{3910} = (5, 3, 14, 1)$
176 : $P_{3337} = (8, 15, 11, 1)$	208 : $P_{3956} = (3, 6, 14, 1)$
177 : $P_{3351} = (6, 0, 12, 1)$	209 : $P_{3960} = (7, 6, 14, 1)$
178 : $P_{3375} = (14, 1, 12, 1)$	210 : $P_{3966} = (13, 6, 14, 1)$
179 : $P_{3424} = (15, 4, 12, 1)$	211 : $P_{4005} = (4, 9, 14, 1)$
180 : $P_{3436} = (11, 5, 12, 1)$	212 : $P_{4057} = (8, 12, 14, 1)$
181 : $P_{3450} = (9, 6, 12, 1)$	213 : $P_{4070} = (5, 13, 14, 1)$
182 : $P_{3461} = (4, 7, 12, 1)$	214 : $P_{4086} = (5, 14, 14, 1)$
183 : $P_{3495} = (6, 9, 12, 1)$	215 : $P_{4121} = (8, 0, 15, 1)$
184 : $P_{3502} = (13, 9, 12, 1)$	216 : $P_{4124} = (11, 0, 15, 1)$
185 : $P_{3504} = (15, 9, 12, 1)$	217 : $P_{4126} = (13, 0, 15, 1)$
186 : $P_{3506} = (1, 10, 12, 1)$	218 : $P_{4135} = (6, 1, 15, 1)$
187 : $P_{3558} = (5, 13, 12, 1)$	219 : $P_{4260} = (3, 9, 15, 1)$
188 : $P_{3563} = (10, 13, 12, 1)$	220 : $P_{4277} = (4, 10, 15, 1)$
189 : $P_{3568} = (15, 13, 12, 1)$	221 : $P_{4287} = (14, 10, 15, 1)$
190 : $P_{3577} = (8, 14, 12, 1)$	222 : $P_{4297} = (8, 11, 15, 1)$
191 : $P_{3608} = (7, 0, 13, 1)$	223 : $P_{4332} = (11, 13, 15, 1)$
192 : $P_{3621} = (4, 1, 13, 1)$	224 : $P_{4366} = (13, 15, 15, 1)$
193 : $P_{3638} = (5, 2, 13, 1)$	

Line Intersection Graph

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Neighbor sets in the line intersection graph:

The surface has 225 points:

The points on the surface are:

0 : $P_4 = (1, 1, 1, 1)$	12 : $P_{196} = (1, 11, 1, 0)$	24 : $P_{365} = (11, 5, 0, 1)$
1 : $P_{35} = (0, 1, 1, 0)$	13 : $P_{206} = (11, 11, 1, 0)$	25 : $P_{366} = (12, 5, 0, 1)$
2 : $P_{36} = (1, 1, 1, 0)$	14 : $P_{220} = (9, 12, 1, 0)$	26 : $P_{383} = (13, 6, 0, 1)$
3 : $P_{62} = (11, 2, 1, 0)$	15 : $P_{229} = (2, 13, 1, 0)$	27 : $P_{398} = (12, 7, 0, 1)$
4 : $P_{93} = (10, 4, 1, 0)$	16 : $P_{253} = (10, 14, 1, 0)$	28 : $P_{407} = (5, 8, 0, 1)$
5 : $P_{129} = (14, 6, 1, 0)$	17 : $P_{290} = (0, 1, 0, 1)$	29 : $P_{408} = (6, 8, 0, 1)$
6 : $P_{135} = (4, 7, 1, 0)$	18 : $P_{318} = (12, 2, 0, 1)$	30 : $P_{412} = (10, 8, 0, 1)$
7 : $P_{174} = (11, 9, 1, 0)$	19 : $P_{329} = (7, 3, 0, 1)$	31 : $P_{431} = (13, 9, 0, 1)$
8 : $P_{179} = (0, 10, 1, 0)$	20 : $P_{332} = (10, 3, 0, 1)$	32 : $P_{434} = (0, 10, 0, 1)$
9 : $P_{180} = (1, 10, 1, 0)$	21 : $P_{337} = (15, 3, 0, 1)$	33 : $P_{445} = (11, 10, 0, 1)$
10 : $P_{189} = (10, 10, 1, 0)$	22 : $P_{344} = (6, 4, 0, 1)$	34 : $P_{450} = (0, 11, 0, 1)$
11 : $P_{195} = (0, 11, 1, 0)$	23 : $P_{357} = (3, 5, 0, 1)$	35 : $P_{460} = (10, 11, 0, 1)$

36 : $P_{472} = (6, 12, 0, 1)$	90 : $P_{1576} = (7, 1, 5, 1)$	144 : $P_{2820} = (3, 15, 9, 1)$
37 : $P_{489} = (7, 13, 0, 1)$	91 : $P_{1593} = (8, 2, 5, 1)$	145 : $P_{2833} = (0, 0, 10, 1)$
38 : $P_{505} = (7, 14, 0, 1)$	92 : $P_{1645} = (12, 5, 5, 1)$	146 : $P_{2844} = (11, 0, 10, 1)$
39 : $P_{522} = (8, 15, 0, 1)$	93 : $P_{1717} = (4, 10, 5, 1)$	147 : $P_{2850} = (1, 1, 10, 1)$
40 : $P_{525} = (11, 15, 0, 1)$	94 : $P_{1727} = (14, 10, 5, 1)$	148 : $P_{2852} = (3, 1, 10, 1)$
41 : $P_{527} = (13, 15, 0, 1)$	95 : $P_{1732} = (3, 11, 5, 1)$	149 : $P_{2857} = (8, 1, 10, 1)$
42 : $P_{530} = (0, 0, 1, 1)$	96 : $P_{1756} = (11, 12, 5, 1)$	150 : $P_{2896} = (15, 3, 10, 1)$
43 : $P_{590} = (13, 3, 1, 1)$	97 : $P_{1822} = (13, 0, 6, 1)$	151 : $P_{2917} = (4, 5, 10, 1)$
44 : $P_{616} = (7, 5, 1, 1)$	98 : $P_{1827} = (2, 1, 6, 1)$	152 : $P_{2927} = (14, 5, 10, 1)$
45 : $P_{627} = (2, 6, 1, 1)$	99 : $P_{1856} = (15, 2, 6, 1)$	153 : $P_{2966} = (5, 8, 10, 1)$
46 : $P_{650} = (9, 7, 1, 1)$	100 : $P_{1924} = (3, 7, 6, 1)$	154 : $P_{2997} = (4, 10, 10, 1)$
47 : $P_{669} = (12, 8, 1, 1)$	101 : $P_{1929} = (8, 7, 6, 1)$	155 : $P_{3004} = (11, 10, 10, 1)$
48 : $P_{690} = (1, 10, 1, 1)$	102 : $P_{1932} = (11, 7, 6, 1)$	156 : $P_{3007} = (14, 10, 10, 1)$
49 : $P_{692} = (3, 10, 1, 1)$	103 : $P_{1947} = (10, 8, 6, 1)$	157 : $P_{3026} = (1, 12, 10, 1)$
50 : $P_{697} = (8, 10, 1, 1)$	104 : $P_{1956} = (3, 9, 6, 1)$	158 : $P_{3042} = (1, 13, 10, 1)$
51 : $P_{706} = (1, 11, 1, 1)$	105 : $P_{1986} = (1, 11, 6, 1)$	159 : $P_{3077} = (4, 15, 10, 1)$
52 : $P_{710} = (5, 11, 1, 1)$	106 : $P_{2010} = (9, 12, 6, 1)$	160 : $P_{3087} = (14, 15, 10, 1)$
53 : $P_{720} = (15, 11, 1, 1)$	107 : $P_{2031} = (14, 13, 6, 1)$	161 : $P_{3089} = (0, 0, 11, 1)$
54 : $P_{735} = (14, 12, 1, 1)$	108 : $P_{2036} = (3, 14, 6, 1)$	162 : $P_{3099} = (10, 0, 11, 1)$
55 : $P_{741} = (4, 13, 1, 1)$	109 : $P_{2040} = (7, 14, 6, 1)$	163 : $P_{3106} = (1, 1, 11, 1)$
56 : $P_{775} = (6, 15, 1, 1)$	110 : $P_{2046} = (13, 14, 6, 1)$	164 : $P_{3110} = (5, 1, 11, 1)$
57 : $P_{797} = (12, 0, 2, 1)$	111 : $P_{2077} = (12, 0, 7, 1)$	165 : $P_{3120} = (15, 1, 11, 1)$
58 : $P_{825} = (8, 2, 2, 1)$	112 : $P_{2090} = (9, 1, 7, 1)$	166 : $P_{3139} = (2, 3, 11, 1)$
59 : $P_{863} = (14, 4, 2, 1)$	113 : $P_{2105} = (8, 2, 7, 1)$	167 : $P_{3146} = (9, 3, 11, 1)$
60 : $P_{873} = (8, 5, 2, 1)$	114 : $P_{2123} = (10, 3, 7, 1)$	168 : $P_{3172} = (3, 5, 11, 1)$
61 : $P_{896} = (15, 6, 2, 1)$	115 : $P_{2135} = (6, 4, 7, 1)$	169 : $P_{3186} = (1, 6, 11, 1)$
62 : $P_{905} = (8, 7, 2, 1)$	116 : $P_{2137} = (8, 4, 7, 1)$	170 : $P_{3202} = (1, 7, 11, 1)$
63 : $P_{998} = (5, 13, 2, 1)$	117 : $P_{2141} = (12, 4, 7, 1)$	171 : $P_{3219} = (2, 8, 11, 1)$
64 : $P_{1000} = (7, 13, 2, 1)$	118 : $P_{2164} = (3, 6, 7, 1)$	172 : $P_{3226} = (9, 8, 11, 1)$
65 : $P_{1005} = (12, 13, 2, 1)$	119 : $P_{2169} = (8, 6, 7, 1)$	173 : $P_{3267} = (2, 11, 11, 1)$
66 : $P_{1018} = (9, 14, 2, 1)$	120 : $P_{2172} = (11, 6, 7, 1)$	174 : $P_{3274} = (9, 11, 11, 1)$
67 : $P_{1048} = (7, 0, 3, 1)$	121 : $P_{2214} = (5, 9, 7, 1)$	175 : $P_{3275} = (10, 11, 11, 1)$
68 : $P_{1051} = (10, 0, 3, 1)$	122 : $P_{2242} = (1, 11, 7, 1)$	176 : $P_{3337} = (8, 15, 11, 1)$
69 : $P_{1056} = (15, 0, 3, 1)$	123 : $P_{2261} = (4, 12, 7, 1)$	177 : $P_{3351} = (6, 0, 12, 1)$
70 : $P_{1070} = (13, 1, 3, 1)$	124 : $P_{2275} = (2, 13, 7, 1)$	178 : $P_{3375} = (14, 1, 12, 1)$
71 : $P_{1096} = (7, 3, 3, 1)$	125 : $P_{2326} = (5, 0, 8, 1)$	179 : $P_{3424} = (15, 4, 12, 1)$
72 : $P_{1163} = (10, 7, 3, 1)$	126 : $P_{2327} = (6, 0, 8, 1)$	180 : $P_{3436} = (11, 5, 12, 1)$
73 : $P_{1216} = (15, 10, 3, 1)$	127 : $P_{2331} = (10, 0, 8, 1)$	181 : $P_{3450} = (9, 6, 12, 1)$
74 : $P_{1219} = (2, 11, 3, 1)$	128 : $P_{2349} = (12, 1, 8, 1)$	182 : $P_{3461} = (4, 7, 12, 1)$
75 : $P_{1226} = (9, 11, 3, 1)$	129 : $P_{2400} = (15, 4, 8, 1)$	183 : $P_{3495} = (6, 9, 12, 1)$
76 : $P_{1270} = (5, 14, 3, 1)$	130 : $P_{2427} = (10, 6, 8, 1)$	184 : $P_{3502} = (13, 9, 12, 1)$
77 : $P_{1303} = (6, 0, 4, 1)$	131 : $P_{2455} = (6, 8, 8, 1)$	185 : $P_{3504} = (15, 9, 12, 1)$
78 : $P_{1343} = (14, 2, 4, 1)$	132 : $P_{2486} = (5, 10, 8, 1)$	186 : $P_{3506} = (1, 10, 12, 1)$
79 : $P_{1376} = (15, 4, 4, 1)$	133 : $P_{2499} = (2, 11, 8, 1)$	187 : $P_{3558} = (5, 13, 12, 1)$
80 : $P_{1415} = (6, 7, 4, 1)$	134 : $P_{2506} = (9, 11, 8, 1)$	188 : $P_{3563} = (10, 13, 12, 1)$
81 : $P_{1417} = (8, 7, 4, 1)$	135 : $P_{2590} = (13, 0, 9, 1)$	189 : $P_{3568} = (15, 13, 12, 1)$
82 : $P_{1421} = (12, 7, 4, 1)$	136 : $P_{2643} = (2, 4, 9, 1)$	190 : $P_{3577} = (8, 14, 12, 1)$
83 : $P_{1440} = (15, 8, 4, 1)$	137 : $P_{2676} = (3, 6, 9, 1)$	191 : $P_{3608} = (7, 0, 13, 1)$
84 : $P_{1443} = (2, 9, 4, 1)$	138 : $P_{2694} = (5, 7, 9, 1)$	192 : $P_{3621} = (4, 1, 13, 1)$
85 : $P_{1504} = (15, 12, 4, 1)$	139 : $P_{2724} = (3, 9, 9, 1)$	193 : $P_{3638} = (5, 2, 13, 1)$
86 : $P_{1508} = (3, 13, 4, 1)$	140 : $P_{2775} = (6, 12, 9, 1)$	194 : $P_{3640} = (7, 2, 13, 1)$
87 : $P_{1556} = (3, 0, 5, 1)$	141 : $P_{2782} = (13, 12, 9, 1)$	195 : $P_{3645} = (12, 2, 13, 1)$
88 : $P_{1564} = (11, 0, 5, 1)$	142 : $P_{2784} = (15, 12, 9, 1)$	196 : $P_{3668} = (3, 4, 13, 1)$
89 : $P_{1565} = (12, 0, 5, 1)$	143 : $P_{2805} = (4, 14, 9, 1)$	197 : $P_{3711} = (14, 6, 13, 1)$

198 : $P_{3715} = (2, 7, 13, 1)$	208 : $P_{3956} = (3, 6, 14, 1)$	218 : $P_{4135} = (6, 1, 15, 1)$
199 : $P_{3762} = (1, 10, 13, 1)$	209 : $P_{3960} = (7, 6, 14, 1)$	219 : $P_{4260} = (3, 9, 15, 1)$
200 : $P_{3798} = (5, 12, 13, 1)$	210 : $P_{3966} = (13, 6, 14, 1)$	220 : $P_{4277} = (4, 10, 15, 1)$
201 : $P_{3803} = (10, 12, 13, 1)$	211 : $P_{4005} = (4, 9, 14, 1)$	221 : $P_{4287} = (14, 10, 15, 1)$
202 : $P_{3808} = (15, 12, 13, 1)$	212 : $P_{4057} = (8, 12, 14, 1)$	222 : $P_{4297} = (8, 11, 15, 1)$
203 : $P_{3830} = (5, 14, 13, 1)$	213 : $P_{4070} = (5, 13, 14, 1)$	223 : $P_{4332} = (11, 13, 15, 1)$
204 : $P_{3852} = (11, 15, 13, 1)$	214 : $P_{4086} = (5, 14, 14, 1)$	224 : $P_{4366} = (13, 15, 15, 1)$
205 : $P_{3864} = (7, 0, 14, 1)$	215 : $P_{4121} = (8, 0, 15, 1)$	
206 : $P_{3898} = (9, 2, 14, 1)$	216 : $P_{4124} = (11, 0, 15, 1)$	
207 : $P_{3910} = (5, 3, 14, 1)$	217 : $P_{4126} = (13, 0, 15, 1)$	