

Rank-67150 over GF(16)

January 15, 2021

The equation

The equation of the surface is :

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

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

The point rank of the equation over GF(16) is 303112486

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 : $P_2 = (0, 0, 1, 0)$	27 : $P_{420} = (2, 9, 0, 1)$
1 : $P_5 = (1, 1, 0, 0)$	28 : $P_{439} = (5, 10, 0, 1)$
2 : $P_{14} = (10, 1, 0, 0)$	29 : $P_{445} = (11, 10, 0, 1)$
3 : $P_{15} = (11, 1, 0, 0)$	30 : $P_{449} = (15, 10, 0, 1)$
4 : $P_{20} = (1, 0, 1, 0)$	31 : $P_{453} = (3, 11, 0, 1)$
5 : $P_{36} = (1, 1, 1, 0)$	32 : $P_{458} = (8, 11, 0, 1)$
6 : $P_{45} = (10, 1, 1, 0)$	33 : $P_{460} = (10, 11, 0, 1)$
7 : $P_{46} = (11, 1, 1, 0)$	34 : $P_{502} = (4, 14, 0, 1)$
8 : $P_{82} = (15, 3, 1, 0)$	35 : $P_{517} = (3, 15, 0, 1)$
9 : $P_{102} = (3, 5, 1, 0)$	36 : $P_{522} = (8, 15, 0, 1)$
10 : $P_{125} = (10, 6, 1, 0)$	37 : $P_{524} = (10, 15, 0, 1)$
11 : $P_{141} = (10, 7, 1, 0)$	38 : $P_{531} = (1, 0, 1, 1)$
12 : $P_{152} = (5, 8, 1, 0)$	39 : $P_{571} = (10, 2, 1, 1)$
13 : $P_{222} = (11, 12, 1, 0)$	40 : $P_{604} = (11, 4, 1, 1)$
14 : $P_{238} = (11, 13, 1, 0)$	41 : $P_{630} = (5, 6, 1, 1)$
15 : $P_{267} = (8, 15, 1, 0)$	42 : $P_{656} = (15, 7, 1, 1)$
16 : $P_{315} = (9, 2, 0, 1)$	43 : $P_{683} = (10, 9, 1, 1)$
17 : $P_{327} = (5, 3, 0, 1)$	44 : $P_{690} = (1, 10, 1, 1)$
18 : $P_{333} = (11, 3, 0, 1)$	45 : $P_{699} = (10, 10, 1, 1)$
19 : $P_{337} = (15, 3, 0, 1)$	46 : $P_{706} = (1, 11, 1, 1)$
20 : $P_{352} = (14, 4, 0, 1)$	47 : $P_{716} = (11, 11, 1, 1)$
21 : $P_{357} = (3, 5, 0, 1)$	48 : $P_{724} = (3, 12, 1, 1)$
22 : $P_{362} = (8, 5, 0, 1)$	49 : $P_{745} = (8, 13, 1, 1)$
23 : $P_{364} = (10, 5, 0, 1)$	50 : $P_{764} = (11, 14, 1, 1)$
24 : $P_{407} = (5, 8, 0, 1)$	51 : $P_{793} = (8, 0, 2, 1)$
25 : $P_{413} = (11, 8, 0, 1)$	52 : $P_{826} = (9, 2, 2, 1)$
26 : $P_{417} = (15, 8, 0, 1)$	53 : $P_{852} = (3, 4, 2, 1)$

54 : $P_{888} = (7, 6, 2, 1)$	108 : $P_{2032} = (15, 13, 6, 1)$
55 : $P_{902} = (5, 7, 2, 1)$	109 : $P_{2042} = (9, 14, 6, 1)$
56 : $P_{920} = (7, 8, 2, 1)$	110 : $P_{2085} = (4, 1, 7, 1)$
57 : $P_{990} = (13, 12, 2, 1)$	111 : $P_{2092} = (11, 1, 7, 1)$
58 : $P_{1003} = (10, 13, 2, 1)$	112 : $P_{2095} = (14, 1, 7, 1)$
59 : $P_{1027} = (2, 15, 2, 1)$	113 : $P_{2104} = (7, 2, 7, 1)$
60 : $P_{1029} = (4, 15, 2, 1)$	114 : $P_{2117} = (4, 3, 7, 1)$
61 : $P_{1032} = (7, 15, 2, 1)$	115 : $P_{2122} = (9, 3, 7, 1)$
62 : $P_{1048} = (7, 0, 3, 1)$	116 : $P_{2125} = (12, 3, 7, 1)$
63 : $P_{1083} = (10, 2, 3, 1)$	117 : $P_{2131} = (2, 4, 7, 1)$
64 : $P_{1094} = (5, 3, 3, 1)$	118 : $P_{2166} = (5, 6, 7, 1)$
65 : $P_{1100} = (11, 3, 3, 1)$	119 : $P_{2228} = (3, 10, 7, 1)$
66 : $P_{1104} = (15, 3, 3, 1)$	120 : $P_{2246} = (5, 11, 7, 1)$
67 : $P_{1107} = (2, 4, 3, 1)$	121 : $P_{2262} = (5, 12, 7, 1)$
68 : $P_{1122} = (1, 5, 3, 1)$	122 : $P_{2297} = (8, 14, 7, 1)$
69 : $P_{1132} = (11, 5, 3, 1)$	123 : $P_{2306} = (1, 15, 7, 1)$
70 : $P_{1164} = (11, 7, 3, 1)$	124 : $P_{2316} = (11, 15, 7, 1)$
71 : $P_{1252} = (3, 13, 3, 1)$	125 : $P_{2327} = (6, 0, 8, 1)$
72 : $P_{1278} = (13, 14, 3, 1)$	126 : $P_{2397} = (12, 4, 8, 1)$
73 : $P_{1312} = (15, 0, 4, 1)$	127 : $P_{2428} = (11, 6, 8, 1)$
74 : $P_{1349} = (4, 3, 4, 1)$	128 : $P_{2454} = (5, 8, 8, 1)$
75 : $P_{1354} = (9, 3, 4, 1)$	129 : $P_{2460} = (11, 8, 8, 1)$
76 : $P_{1357} = (12, 3, 4, 1)$	130 : $P_{2464} = (15, 8, 8, 1)$
77 : $P_{1375} = (14, 4, 4, 1)$	131 : $P_{2475} = (10, 9, 8, 1)$
78 : $P_{1400} = (7, 6, 4, 1)$	132 : $P_{2521} = (8, 12, 8, 1)$
79 : $P_{1420} = (11, 7, 4, 1)$	133 : $P_{2554} = (9, 14, 8, 1)$
80 : $P_{1446} = (5, 9, 4, 1)$	134 : $P_{2562} = (1, 15, 8, 1)$
81 : $P_{1497} = (8, 12, 4, 1)$	135 : $P_{2572} = (11, 15, 8, 1)$
82 : $P_{1517} = (12, 13, 4, 1)$	136 : $P_{2580} = (3, 0, 9, 1)$
83 : $P_{1549} = (12, 15, 4, 1)$	137 : $P_{2631} = (6, 3, 9, 1)$
84 : $P_{1565} = (12, 0, 5, 1)$	138 : $P_{2663} = (6, 5, 9, 1)$
85 : $P_{1592} = (7, 2, 5, 1)$	139 : $P_{2666} = (9, 5, 9, 1)$
86 : $P_{1628} = (11, 4, 5, 1)$	140 : $P_{2671} = (14, 5, 9, 1)$
87 : $P_{1636} = (3, 5, 5, 1)$	141 : $P_{2688} = (15, 6, 9, 1)$
88 : $P_{1641} = (8, 5, 5, 1)$	142 : $P_{2695} = (6, 7, 9, 1)$
89 : $P_{1643} = (10, 5, 5, 1)$	143 : $P_{2723} = (2, 9, 9, 1)$
90 : $P_{1670} = (5, 7, 5, 1)$	144 : $P_{2779} = (10, 12, 9, 1)$
91 : $P_{1682} = (1, 8, 5, 1)$	145 : $P_{2797} = (12, 13, 9, 1)$
92 : $P_{1691} = (10, 8, 5, 1)$	146 : $P_{2809} = (8, 14, 9, 1)$
93 : $P_{1701} = (4, 9, 5, 1)$	147 : $P_{2837} = (4, 0, 10, 1)$
94 : $P_{1755} = (10, 12, 5, 1)$	148 : $P_{2844} = (11, 0, 10, 1)$
95 : $P_{1829} = (4, 1, 6, 1)$	149 : $P_{2847} = (14, 0, 10, 1)$
96 : $P_{1836} = (11, 1, 6, 1)$	150 : $P_{2850} = (1, 1, 10, 1)$
97 : $P_{1839} = (14, 1, 6, 1)$	151 : $P_{2887} = (6, 3, 10, 1)$
98 : $P_{1876} = (3, 4, 6, 1)$	152 : $P_{2937} = (8, 6, 10, 1)$
99 : $P_{1890} = (1, 5, 6, 1)$	153 : $P_{2948} = (3, 7, 10, 1)$
100 : $P_{1900} = (11, 5, 6, 1)$	154 : $P_{2968} = (7, 8, 10, 1)$
101 : $P_{1936} = (15, 7, 6, 1)$	155 : $P_{2998} = (5, 10, 10, 1)$
102 : $P_{1939} = (2, 8, 6, 1)$	156 : $P_{3004} = (11, 10, 10, 1)$
103 : $P_{1950} = (13, 8, 6, 1)$	157 : $P_{3008} = (15, 10, 10, 1)$
104 : $P_{1951} = (14, 8, 6, 1)$	158 : $P_{3010} = (1, 11, 10, 1)$
105 : $P_{1959} = (6, 9, 6, 1)$	159 : $P_{3020} = (11, 11, 10, 1)$
106 : $P_{1977} = (8, 10, 6, 1)$	160 : $P_{3091} = (2, 0, 11, 1)$
107 : $P_{2000} = (15, 11, 6, 1)$	161 : $P_{3098} = (9, 0, 11, 1)$

162 : $P_{3099} = (10, 0, 11, 1)$	194 : $P_{3739} = (10, 8, 13, 1)$
163 : $P_{3106} = (1, 1, 11, 1)$	195 : $P_{3750} = (5, 9, 13, 1)$
164 : $P_{3182} = (13, 5, 11, 1)$	196 : $P_{3764} = (3, 10, 13, 1)$
165 : $P_{3250} = (1, 10, 11, 1)$	197 : $P_{3792} = (15, 11, 13, 1)$
166 : $P_{3259} = (10, 10, 11, 1)$	198 : $P_{3796} = (3, 12, 13, 1)$
167 : $P_{3268} = (3, 11, 11, 1)$	199 : $P_{3838} = (13, 14, 13, 1)$
168 : $P_{3273} = (8, 11, 11, 1)$	200 : $P_{3843} = (2, 15, 13, 1)$
169 : $P_{3275} = (10, 11, 11, 1)$	201 : $P_{3845} = (4, 15, 13, 1)$
170 : $P_{3286} = (5, 12, 11, 1)$	202 : $P_{3848} = (7, 15, 13, 1)$
171 : $P_{3312} = (15, 13, 11, 1)$	203 : $P_{3862} = (5, 0, 14, 1)$
172 : $P_{3341} = (12, 15, 11, 1)$	204 : $P_{3904} = (15, 2, 14, 1)$
173 : $P_{3363} = (2, 1, 12, 1)$	205 : $P_{3950} = (13, 5, 14, 1)$
174 : $P_{3370} = (9, 1, 12, 1)$	206 : $P_{3964} = (11, 6, 14, 1)$
175 : $P_{3371} = (10, 1, 12, 1)$	207 : $P_{3975} = (6, 7, 14, 1)$
176 : $P_{3392} = (15, 2, 12, 1)$	208 : $P_{3987} = (2, 8, 14, 1)$
177 : $P_{3394} = (1, 3, 12, 1)$	209 : $P_{3998} = (13, 8, 14, 1)$
178 : $P_{3403} = (10, 3, 12, 1)$	210 : $P_{3999} = (14, 8, 14, 1)$
179 : $P_{3421} = (12, 4, 12, 1)$	211 : $P_{4062} = (13, 12, 14, 1)$
180 : $P_{3431} = (6, 5, 12, 1)$	212 : $P_{4068} = (3, 13, 14, 1)$
181 : $P_{3434} = (9, 5, 12, 1)$	213 : $P_{4085} = (4, 14, 14, 1)$
182 : $P_{3439} = (14, 5, 12, 1)$	214 : $P_{4126} = (13, 0, 15, 1)$
183 : $P_{3449} = (8, 6, 12, 1)$	215 : $P_{4159} = (14, 2, 15, 1)$
184 : $P_{3493} = (4, 9, 12, 1)$	216 : $P_{4162} = (1, 3, 15, 1)$
185 : $P_{3513} = (8, 10, 12, 1)$	217 : $P_{4171} = (10, 3, 15, 1)$
186 : $P_{3526} = (5, 11, 12, 1)$	218 : $P_{4224} = (15, 6, 15, 1)$
187 : $P_{3561} = (8, 13, 12, 1)$	219 : $P_{4263} = (6, 9, 15, 1)$
188 : $P_{3619} = (2, 1, 13, 1)$	220 : $P_{4331} = (10, 13, 15, 1)$
189 : $P_{3626} = (9, 1, 13, 1)$	221 : $P_{4348} = (11, 14, 15, 1)$
190 : $P_{3627} = (10, 1, 13, 1)$	222 : $P_{4356} = (3, 15, 15, 1)$
191 : $P_{3647} = (14, 2, 13, 1)$	223 : $P_{4361} = (8, 15, 15, 1)$
192 : $P_{3716} = (3, 7, 13, 1)$	224 : $P_{4363} = (10, 15, 15, 1)$
193 : $P_{3730} = (1, 8, 13, 1)$	

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 : $P_2 = (0, 0, 1, 0)$	12 : $P_{152} = (5, 8, 1, 0)$	24 : $P_{407} = (5, 8, 0, 1)$
1 : $P_5 = (1, 1, 0, 0)$	13 : $P_{222} = (11, 12, 1, 0)$	25 : $P_{413} = (11, 8, 0, 1)$
2 : $P_{14} = (10, 1, 0, 0)$	14 : $P_{238} = (11, 13, 1, 0)$	26 : $P_{417} = (15, 8, 0, 1)$
3 : $P_{15} = (11, 1, 0, 0)$	15 : $P_{267} = (8, 15, 1, 0)$	27 : $P_{420} = (2, 9, 0, 1)$
4 : $P_{20} = (1, 0, 1, 0)$	16 : $P_{315} = (9, 2, 0, 1)$	28 : $P_{439} = (5, 10, 0, 1)$
5 : $P_{36} = (1, 1, 1, 0)$	17 : $P_{327} = (5, 3, 0, 1)$	29 : $P_{445} = (11, 10, 0, 1)$
6 : $P_{45} = (10, 1, 1, 0)$	18 : $P_{333} = (11, 3, 0, 1)$	30 : $P_{449} = (15, 10, 0, 1)$
7 : $P_{46} = (11, 1, 1, 0)$	19 : $P_{337} = (15, 3, 0, 1)$	31 : $P_{453} = (3, 11, 0, 1)$
8 : $P_{82} = (15, 3, 1, 0)$	20 : $P_{352} = (14, 4, 0, 1)$	32 : $P_{458} = (8, 11, 0, 1)$
9 : $P_{102} = (3, 5, 1, 0)$	21 : $P_{357} = (3, 5, 0, 1)$	33 : $P_{460} = (10, 11, 0, 1)$
10 : $P_{125} = (10, 6, 1, 0)$	22 : $P_{362} = (8, 5, 0, 1)$	34 : $P_{502} = (4, 14, 0, 1)$
11 : $P_{141} = (10, 7, 1, 0)$	23 : $P_{364} = (10, 5, 0, 1)$	35 : $P_{517} = (3, 15, 0, 1)$

36 : $P_{522} = (8, 15, 0, 1)$	90 : $P_{1670} = (5, 7, 5, 1)$	144 : $P_{2779} = (10, 12, 9, 1)$
37 : $P_{524} = (10, 15, 0, 1)$	91 : $P_{1682} = (1, 8, 5, 1)$	145 : $P_{2797} = (12, 13, 9, 1)$
38 : $P_{531} = (1, 0, 1, 1)$	92 : $P_{1691} = (10, 8, 5, 1)$	146 : $P_{2809} = (8, 14, 9, 1)$
39 : $P_{571} = (10, 2, 1, 1)$	93 : $P_{1701} = (4, 9, 5, 1)$	147 : $P_{2837} = (4, 0, 10, 1)$
40 : $P_{604} = (11, 4, 1, 1)$	94 : $P_{1755} = (10, 12, 5, 1)$	148 : $P_{2844} = (11, 0, 10, 1)$
41 : $P_{630} = (5, 6, 1, 1)$	95 : $P_{1829} = (4, 1, 6, 1)$	149 : $P_{2847} = (14, 0, 10, 1)$
42 : $P_{656} = (15, 7, 1, 1)$	96 : $P_{1836} = (11, 1, 6, 1)$	150 : $P_{2850} = (1, 1, 10, 1)$
43 : $P_{683} = (10, 9, 1, 1)$	97 : $P_{1839} = (14, 1, 6, 1)$	151 : $P_{2887} = (6, 3, 10, 1)$
44 : $P_{690} = (1, 10, 1, 1)$	98 : $P_{1876} = (3, 4, 6, 1)$	152 : $P_{2937} = (8, 6, 10, 1)$
45 : $P_{699} = (10, 10, 1, 1)$	99 : $P_{1890} = (1, 5, 6, 1)$	153 : $P_{2948} = (3, 7, 10, 1)$
46 : $P_{706} = (1, 11, 1, 1)$	100 : $P_{1900} = (11, 5, 6, 1)$	154 : $P_{2968} = (7, 8, 10, 1)$
47 : $P_{716} = (11, 11, 1, 1)$	101 : $P_{1936} = (15, 7, 6, 1)$	155 : $P_{2998} = (5, 10, 10, 1)$
48 : $P_{724} = (3, 12, 1, 1)$	102 : $P_{1939} = (2, 8, 6, 1)$	156 : $P_{3004} = (11, 10, 10, 1)$
49 : $P_{745} = (8, 13, 1, 1)$	103 : $P_{1950} = (13, 8, 6, 1)$	157 : $P_{3008} = (15, 10, 10, 1)$
50 : $P_{764} = (11, 14, 1, 1)$	104 : $P_{1951} = (14, 8, 6, 1)$	158 : $P_{3010} = (1, 11, 10, 1)$
51 : $P_{793} = (8, 0, 2, 1)$	105 : $P_{1959} = (6, 9, 6, 1)$	159 : $P_{3020} = (11, 11, 10, 1)$
52 : $P_{826} = (9, 2, 2, 1)$	106 : $P_{1977} = (8, 10, 6, 1)$	160 : $P_{3091} = (2, 0, 11, 1)$
53 : $P_{852} = (3, 4, 2, 1)$	107 : $P_{2000} = (15, 11, 6, 1)$	161 : $P_{3098} = (9, 0, 11, 1)$
54 : $P_{888} = (7, 6, 2, 1)$	108 : $P_{2032} = (15, 13, 6, 1)$	162 : $P_{3099} = (10, 0, 11, 1)$
55 : $P_{902} = (5, 7, 2, 1)$	109 : $P_{2042} = (9, 14, 6, 1)$	163 : $P_{3106} = (1, 1, 11, 1)$
56 : $P_{920} = (7, 8, 2, 1)$	110 : $P_{2085} = (4, 1, 7, 1)$	164 : $P_{3182} = (13, 5, 11, 1)$
57 : $P_{990} = (13, 12, 2, 1)$	111 : $P_{2092} = (11, 1, 7, 1)$	165 : $P_{3250} = (1, 10, 11, 1)$
58 : $P_{1003} = (10, 13, 2, 1)$	112 : $P_{2095} = (14, 1, 7, 1)$	166 : $P_{3259} = (10, 10, 11, 1)$
59 : $P_{1027} = (2, 15, 2, 1)$	113 : $P_{2104} = (7, 2, 7, 1)$	167 : $P_{3268} = (3, 11, 11, 1)$
60 : $P_{1029} = (4, 15, 2, 1)$	114 : $P_{2117} = (4, 3, 7, 1)$	168 : $P_{3273} = (8, 11, 11, 1)$
61 : $P_{1032} = (7, 15, 2, 1)$	115 : $P_{2122} = (9, 3, 7, 1)$	169 : $P_{3275} = (10, 11, 11, 1)$
62 : $P_{1048} = (7, 0, 3, 1)$	116 : $P_{2125} = (12, 3, 7, 1)$	170 : $P_{3286} = (5, 12, 11, 1)$
63 : $P_{1083} = (10, 2, 3, 1)$	117 : $P_{2131} = (2, 4, 7, 1)$	171 : $P_{3312} = (15, 13, 11, 1)$
64 : $P_{1094} = (5, 3, 3, 1)$	118 : $P_{2166} = (5, 6, 7, 1)$	172 : $P_{3341} = (12, 15, 11, 1)$
65 : $P_{1100} = (11, 3, 3, 1)$	119 : $P_{2228} = (3, 10, 7, 1)$	173 : $P_{3363} = (2, 1, 12, 1)$
66 : $P_{1104} = (15, 3, 3, 1)$	120 : $P_{2246} = (5, 11, 7, 1)$	174 : $P_{3370} = (9, 1, 12, 1)$
67 : $P_{1107} = (2, 4, 3, 1)$	121 : $P_{2262} = (5, 12, 7, 1)$	175 : $P_{3371} = (10, 1, 12, 1)$
68 : $P_{1122} = (1, 5, 3, 1)$	122 : $P_{2297} = (8, 14, 7, 1)$	176 : $P_{3392} = (15, 2, 12, 1)$
69 : $P_{1132} = (11, 5, 3, 1)$	123 : $P_{2306} = (1, 15, 7, 1)$	177 : $P_{3394} = (1, 3, 12, 1)$
70 : $P_{1164} = (11, 7, 3, 1)$	124 : $P_{2316} = (11, 15, 7, 1)$	178 : $P_{3403} = (10, 3, 12, 1)$
71 : $P_{1252} = (3, 13, 3, 1)$	125 : $P_{2327} = (6, 0, 8, 1)$	179 : $P_{3421} = (12, 4, 12, 1)$
72 : $P_{1278} = (13, 14, 3, 1)$	126 : $P_{2397} = (12, 4, 8, 1)$	180 : $P_{3431} = (6, 5, 12, 1)$
73 : $P_{1312} = (15, 0, 4, 1)$	127 : $P_{2428} = (11, 6, 8, 1)$	181 : $P_{3434} = (9, 5, 12, 1)$
74 : $P_{1349} = (4, 3, 4, 1)$	128 : $P_{2454} = (5, 8, 8, 1)$	182 : $P_{3439} = (14, 5, 12, 1)$
75 : $P_{1354} = (9, 3, 4, 1)$	129 : $P_{2460} = (11, 8, 8, 1)$	183 : $P_{3449} = (8, 6, 12, 1)$
76 : $P_{1357} = (12, 3, 4, 1)$	130 : $P_{2464} = (15, 8, 8, 1)$	184 : $P_{3493} = (4, 9, 12, 1)$
77 : $P_{1375} = (14, 4, 4, 1)$	131 : $P_{2475} = (10, 9, 8, 1)$	185 : $P_{3513} = (8, 10, 12, 1)$
78 : $P_{1400} = (7, 6, 4, 1)$	132 : $P_{2521} = (8, 12, 8, 1)$	186 : $P_{3526} = (5, 11, 12, 1)$
79 : $P_{1420} = (11, 7, 4, 1)$	133 : $P_{2554} = (9, 14, 8, 1)$	187 : $P_{3561} = (8, 13, 12, 1)$
80 : $P_{1446} = (5, 9, 4, 1)$	134 : $P_{2562} = (1, 15, 8, 1)$	188 : $P_{3619} = (2, 1, 13, 1)$
81 : $P_{1497} = (8, 12, 4, 1)$	135 : $P_{2572} = (11, 15, 8, 1)$	189 : $P_{3626} = (9, 1, 13, 1)$
82 : $P_{1517} = (12, 13, 4, 1)$	136 : $P_{2580} = (3, 0, 9, 1)$	190 : $P_{3627} = (10, 1, 13, 1)$
83 : $P_{1549} = (12, 15, 4, 1)$	137 : $P_{2631} = (6, 3, 9, 1)$	191 : $P_{3647} = (14, 2, 13, 1)$
84 : $P_{1565} = (12, 0, 5, 1)$	138 : $P_{2663} = (6, 5, 9, 1)$	192 : $P_{3716} = (3, 7, 13, 1)$
85 : $P_{1592} = (7, 2, 5, 1)$	139 : $P_{2666} = (9, 5, 9, 1)$	193 : $P_{3730} = (1, 8, 13, 1)$
86 : $P_{1628} = (11, 4, 5, 1)$	140 : $P_{2671} = (14, 5, 9, 1)$	194 : $P_{3739} = (10, 8, 13, 1)$
87 : $P_{1636} = (3, 5, 5, 1)$	141 : $P_{2688} = (15, 6, 9, 1)$	195 : $P_{3750} = (5, 9, 13, 1)$
88 : $P_{1641} = (8, 5, 5, 1)$	142 : $P_{2695} = (6, 7, 9, 1)$	196 : $P_{3764} = (3, 10, 13, 1)$
89 : $P_{1643} = (10, 5, 5, 1)$	143 : $P_{2723} = (2, 9, 9, 1)$	197 : $P_{3792} = (15, 11, 13, 1)$

198 : $P_{3796} = (3, 12, 13, 1)$	208 : $P_{3987} = (2, 8, 14, 1)$	218 : $P_{4224} = (15, 6, 15, 1)$
199 : $P_{3838} = (13, 14, 13, 1)$	209 : $P_{3998} = (13, 8, 14, 1)$	219 : $P_{4263} = (6, 9, 15, 1)$
200 : $P_{3843} = (2, 15, 13, 1)$	210 : $P_{3999} = (14, 8, 14, 1)$	220 : $P_{4331} = (10, 13, 15, 1)$
201 : $P_{3845} = (4, 15, 13, 1)$	211 : $P_{4062} = (13, 12, 14, 1)$	221 : $P_{4348} = (11, 14, 15, 1)$
202 : $P_{3848} = (7, 15, 13, 1)$	212 : $P_{4068} = (3, 13, 14, 1)$	222 : $P_{4356} = (3, 15, 15, 1)$
203 : $P_{3862} = (5, 0, 14, 1)$	213 : $P_{4085} = (4, 14, 14, 1)$	223 : $P_{4361} = (8, 15, 15, 1)$
204 : $P_{3904} = (15, 2, 14, 1)$	214 : $P_{4126} = (13, 0, 15, 1)$	224 : $P_{4363} = (10, 15, 15, 1)$
205 : $P_{3950} = (13, 5, 14, 1)$	215 : $P_{4159} = (14, 2, 15, 1)$	
206 : $P_{3964} = (11, 6, 14, 1)$	216 : $P_{4162} = (1, 3, 15, 1)$	
207 : $P_{3975} = (6, 7, 14, 1)$	217 : $P_{4171} = (10, 3, 15, 1)$	