Rank-76389 over GF(64)

January 15, 2021

The equation

The equation of the surface is :

$$X_1^3 + X_0^2X_2 + X_0^2X_3 + X_1^2X_3 + X_1X_2^2 + X_0X_3^2 + X_0X_1X_2 = 0$$

(0, 1, 0, 0, 0, 1, 1, 0, 0, 1, 0, 1, 0, 1, 0, 0, 1, 0, 0, 0)
The point rank of the equation over GF(64) is -2130440059

General information

Number of lines	16
Number of points	4417
Number of singular points	2
Number of Eckardt points	3
Number of double points	29
Number of single points	963
Number of points off lines	3420
Number of Hesse planes	0
Number of axes	0
Type of points on lines	65^{16}
Type of lines on points	5^2, 3^3, 2^{29}, 1^{963}, 0^{3420}

Singular Points

The surface has 2 singular points:

$0: \ P_{237242} = \mathbf{P}(\epsilon^{21}, \epsilon^{21}, \epsilon^{42}, 1) = \mathbf{P}(57, 57, 56, 1)$
$1: \ P_{241273} = \mathbf{P}(\epsilon^{42}, \epsilon^{42}, \epsilon^{21}, 1) = \mathbf{P}(56, 56, 57, 1)$

The 16 Lines

The lines and their Pluecker coordinates are:

$$\ell_0 = \left[\begin{array}{cccc} 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{17047616} = \left[\begin{array}{cccc} 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{17047616} = \mathbf{Pl}(0,1,0,0,0,0)_1$$

$$\ell_1 = \begin{bmatrix} 1 & 1 & 0 & 1 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{274562} = \begin{bmatrix} 1 & 1 & 0 & 1 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{274562} = \mathbf{Pl}(0,1,1,1,1,1)_{544642}$$

$$\ell_2 = \begin{bmatrix} 1 & 0 & \epsilon^{36} & \epsilon^{27} \\ 0 & 1 & \epsilon^{13} & \epsilon^{19} \end{bmatrix}_{12401217} = \begin{bmatrix} 1 & 0 & 36 & 46 \\ 0 & 1 & 29 & 22 \end{bmatrix}_{12401217} = \mathbf{Pl}(16,6,47,10,43,1)_{11740449}$$

$$\ell_3 = \begin{bmatrix} 1 & 0 & \epsilon^{9} & \epsilon^{54} \\ 0 & 1 & \epsilon^{26} & \epsilon^{38} \end{bmatrix}_{2861894} = \begin{bmatrix} 1 & 0 & 47 & 10 \\ 0 & 1 & 23 & 51 \end{bmatrix}_{2861894} = \mathbf{Pl}(39,20,11,37,27,1)_{7408907}$$

$$\ell_4 = \begin{bmatrix} 1 & 0 & \epsilon^{18} & \epsilon^{45} \\ 0 & 1 & \epsilon^{52} & \epsilon^{13} \end{bmatrix}_{9900925} = \begin{bmatrix} 1 & 0 & 11 & 37 \\ 0 & 1 & 50 & 29 \end{bmatrix}_{9900925} = \mathbf{Pl}(42,55,36,46,3,1)_{1213868}$$

$$\ell_5 = \begin{bmatrix} 1 & \epsilon^{9} & 0 & \epsilon^{10} \\ 0 & 0 & 1 & \epsilon^{36} \end{bmatrix}_{16976851} = \begin{bmatrix} 1 & 47 & 0 & 63 \\ 0 & 0 & 1 & 36 \end{bmatrix}_{16976851} = \mathbf{Pl}(0,2,46,36,46,1)_{12343958}$$

$$\ell_6 = \begin{bmatrix} 1 & 0 & \epsilon^{18} & \epsilon^{45} \\ 0 & 1 & \epsilon^{38} & \epsilon^{41} \end{bmatrix}_{9900862} = \begin{bmatrix} 1 & 0 & 11 & 37 \\ 0 & 1 & 51 & 28 \end{bmatrix}_{9900862} = \mathbf{Pl}(4,24,36,46,38,1)_{10388961}$$

$$\ell_7 = \begin{bmatrix} 1 & \epsilon^{36} & 0 & \epsilon^{5} \\ 0 & 0 & 1 & \epsilon^{18} \end{bmatrix}_{8675631} = \begin{bmatrix} 1 & 36 & 0 & 32 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{8675631} = \mathbf{Pl}(0,26,37,11,37,1)_{9984119}$$

$$\ell_8 = \begin{bmatrix} 1 & \epsilon^{18} & 0 & \epsilon^{20} \\ 0 & 0 & 1 & \epsilon^{9} \end{bmatrix}_{11767290} = \begin{bmatrix} 1 & 11 & 0 & 44 \\ 0 & 0 & 1 & 47 \end{bmatrix}_{11767290} = \mathbf{Pl}(0,4,10,47,10,1)_{2904508}$$

$$\ell_9 = \begin{bmatrix} 1 & 0 & \epsilon^{36} & \epsilon^{27} \\ 0 & 1 & \epsilon^{41} & \epsilon^{26} \end{bmatrix}_{12401280} = \begin{bmatrix} 1 & 0 & 36 & 46 \\ 0 & 1 & 28 & 23 \end{bmatrix}_{12401280} = \mathbf{Pl}(26,13,47,10,5,1)_{1782553}$$

$$\ell_{10} = \begin{bmatrix} 1 & \epsilon^{18} & 0 & \epsilon^{34} \\ 0 & 0 & 1 & \epsilon^{9} \end{bmatrix}_{2446650} = \begin{bmatrix} 1 & 11 & 0 & 9 \\ 0 & 0 & 1 & 47 \end{bmatrix}_{2446650} = \mathbf{Pl}(0,42,10,47,10,1)_{2904546}$$

$$\ell_{11} = \begin{bmatrix} 1 & 0 & \epsilon^{9} & \epsilon^{54} \\ 0 & 1 & \epsilon^{19} & \epsilon^{52} \end{bmatrix}_{2861829} = \begin{bmatrix} 1 & 0 & 47 & 10 \\ 0 & 1 & 22 & 50 \end{bmatrix}_{2861829} = \mathbf{Pl}(2,48,11,37,17,1)_{4788700}$$

$$\ell_{12} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & \epsilon^{21} & \epsilon^{21} \end{bmatrix}_{270009} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 57 & 57 \end{bmatrix}_{270009} = \mathbf{Pl}(1,1,1,56,1,0)_{238649}$$

$$\ell_{13} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & \epsilon^{42} & \epsilon^{42} \end{bmatrix}_{269944} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 56 & 56 \end{bmatrix}_{269944} = \mathbf{Pl}(1,1,1,57,1,0)_{242618}$$

$$\ell_{14} = \begin{bmatrix} 1 & \epsilon^{36} & 0 & \epsilon^{40} \\ 0 & 0 & 1 & \epsilon^{18} \end{bmatrix}_{3882159} = \begin{bmatrix} 1 & 36 & 0 & 14 \\ 0 & 0 & 1 & 11 \end{bmatrix}_{3882159} = \mathbf{Pl}(0,16,37,11,37,1)_{9984109}$$

$$\ell_{15} = \begin{bmatrix} 1 & \epsilon^{9} & 0 & \epsilon^{17} \\ 0 & 0 & 1 & \epsilon^{36} \end{bmatrix}_{14313811} = \begin{bmatrix} 1 & 47 & 0 & 53 \\ 0 & 0 & 1 & 36 \end{bmatrix}_{14313811} = \mathbf{Pl}(0,39,46,36,46,1)_{12343995}$$

Rank of lines: (17047616, 274562, 12401217, 2861894, 9900925, 16976851, 9900862, 8675631, 11767290, 12401280, 2446650, 2861829, 270009, 269944, 3882159, 14313811)
Rank of points on Klein quadric: (1, 544642, 11740449, 7408907, 1213868, 12343958, 10388961, 9984119, 2904508, 1782553, 2904546, 4788700, 238649, 242618, 9984109, 12343995)

Eckardt Points

The surface has 3 Eckardt points:
$0 : P_{45121} = \mathbf{P}(0,0,\epsilon^{54},1) = \mathbf{P}(0,0,10,1)$,
$1 : P_{155713} = \mathbf{P}(0,0,\epsilon^{45},1) = \mathbf{P}(0,0,37,1)$,
$2 : P_{192577} = \mathbf{P}(0,0,\epsilon^{27},1) = \mathbf{P}(0,0,46,1)$.

Double Points

The surface has 29 Double points:
The double points on the surface are:

$P_{8258} = (0, 0, 1, 1) = \ell_0 \cap \ell_1$
$P_{249693} = (28, 60, 59, 1) = \ell_2 \cap \ell_5$
$P_{9503} = (30, 19, 1, 1) = \ell_2 \cap \ell_7$
$P_{106094} = (45, 56, 24, 1) = \ell_2 \cap \ell_8$
$P_{196709} = (36, 0, 47, 1) = \ell_2 \cap \ell_9$
$P_{10451} = (18, 34, 1, 1) = \ell_3 \cap \ell_5$
$P_{252567} = (22, 41, 60, 1) = \ell_3 \cap \ell_8$
$P_{49264} = (47, 0, 11, 1) = \ell_3 \cap \ell_{11}$
$P_{32400} = (15, 57, 6, 1) = \ell_3 \cap \ell_{14}$
$P_{151628} = (11, 0, 36, 1) = \ell_4 \cap \ell_6$
$P_{12068} = (35, 59, 1, 1) = \ell_4 \cap \ell_8$
$P_{174132} = (51, 31, 41, 1) = \ell_4 \cap \ell_{14}$
$P_{89717} = (52, 56, 20, 1) = \ell_4 \cap \ell_{15}$
$P_{204479} = (62, 57, 48, 1) = \ell_5 \cap \ell_6$
$P_{184107} = (42, 59, 43, 1) = \ell_5 \cap \ell_{12}$
$P_{147251} = (50, 59, 34, 1) = \ell_6 \cap \ell_7$
$P_{10281} = (40, 31, 1, 1) = \ell_6 \cap \ell_{10}$
$P_{61026} = (33, 56, 13, 1) = \ell_7 \cap \ell_{11}$
$P_{162024} = (39, 34, 38, 1) = \ell_7 \cap \ell_{13}$
$P_{118619} = (26, 60, 27, 1) = \ell_8 \cap \ell_{13}$
$P_{233097} = (8, 57, 55, 1) = \ell_9 \cap \ell_{10}$
$P_{12155} = (58, 60, 1, 1) = \ell_9 \cap \ell_{14}$
$P_{132382} = (29, 19, 31, 1) = \ell_9 \cap \ell_{15}$
$P_{84184} = (23, 34, 19, 1) = \ell_{10} \cap \ell_{11}$
$P_{75025} = (16, 19, 17, 1) = \ell_{10} \cap \ell_{12}$
$P_{10942} = (61, 41, 1, 1) = \ell_{11} \cap \ell_{15}$
$P_{4163} = (1, 0, 0, 1) = \ell_{12} \cap \ell_{13}$
$P_{19075} = (2, 41, 3, 1) = \ell_{12} \cap \ell_{14}$
$P_{26629} = (4, 31, 5, 1) = \ell_{13} \cap \ell_{15}$

Single Points

The surface has 963 single points:
The single points on the surface are:

0 : $P_2 = (0, 0, 1, 0)$ lies on line ℓ_0
1 : $P_3 = (0, 0, 0, 1)$ lies on line ℓ_0
2 : $P_{132} = (1, 1, 1, 0)$ lies on line ℓ_1
3 : $P_{319} = (60, 3, 1, 0)$ lies on line ℓ_2
4 : $P_{428} = (41, 5, 1, 0)$ lies on line ℓ_3
5 : $P_{1186} = (31, 17, 1, 0)$ lies on line ℓ_4
6 : $P_{1242} = (23, 18, 1, 0)$ lies on line ℓ_5
7 : $P_{1854} = (59, 27, 1, 0)$ lies on line ℓ_6
8 : $P_{2016} = (29, 30, 1, 0)$ lies on line ℓ_7
9 : $P_{2357} = (50, 35, 1, 0)$ lies on line ℓ_8
10 : $P_{2518} = (19, 38, 1, 0)$ lies on line ℓ_9
11 : $P_{2678} = (51, 40, 1, 0)$ lies on line ℓ_{10}
12 : $P_{2853} = (34, 43, 1, 0)$ lies on line ℓ_{11}
13 : $P_{3652} = (1, 56, 1, 0)$ lies on line ℓ_{12}
14 : $P_{3716} = (1, 57, 1, 0)$ lies on line ℓ_{13}
15 : $P_{3807} = (28, 58, 1, 0)$ lies on line ℓ_{14}
16 : $P_{3993} = (22, 61, 1, 0)$ lies on line ℓ_{15}
17 : $P_{4227} = (1, 1, 0, 1)$ lies on line ℓ_1
18 : $P_{4321} = (31, 2, 0, 1)$ lies on line ℓ_{11}
19 : $P_{4437} = (19, 4, 0, 1)$ lies on line ℓ_6
20 : $P_{4584} = (38, 6, 0, 1)$ lies on line ℓ_{14}
21 : $P_{4997} = (3, 13, 0, 1)$ lies on line ℓ_7
22 : $P_{5220} = (34, 16, 0, 1)$ lies on line ℓ_2
23 : $P_{5485} = (43, 20, 0, 1)$ lies on line ℓ_{15}
24 : $P_{5715} = (17, 24, 0, 1)$ lies on line ℓ_8
25 : $P_{5867} = (41, 26, 0, 1)$ lies on line ℓ_9
26 : $P_{6717} = (59, 39, 0, 1)$ lies on line ℓ_3
27 : $P_{6910} = (60, 42, 0, 1)$ lies on line ℓ_4
28 : $P_{7239} = (5, 48, 0, 1)$ lies on line ℓ_5
29 : $P_{7709} = (27, 55, 0, 1)$ lies on line ℓ_{10}
30 : $P_{11841} = (0, 56, 1, 1)$ lies on line ℓ_{12}
31 : $P_{11905} = (0, 57, 1, 1)$ lies on line ℓ_{13}
32 : $P_{12353} = (0, 0, 2, 1)$ lies on line ℓ_0
33 : $P_{12548} = (3, 3, 2, 1)$ lies on line ℓ_1
34 : $P_{12765} = (28, 6, 2, 1)$ lies on line ℓ_{10}
35 : $P_{12867} = (2, 8, 2, 1)$ lies on line ℓ_4
36 : $P_{13320} = (7, 15, 2, 1)$ lies on line ℓ_{15}
37 : $P_{13444} = (3, 17, 2, 1)$ lies on line ℓ_{12}
38 : $P_{13572} = (3, 19, 2, 1)$ lies on line ℓ_{13}
39 : $P_{13599} = (30, 19, 2, 1)$ lies on line ℓ_{14}
40 : $P_{13676} = (43, 20, 2, 1)$ lies on line ℓ_5
41 : $P_{13820} = (59, 22, 2, 1)$ lies on line ℓ_2
42 : $P_{15241} = (8, 45, 2, 1)$ lies on line ℓ_3
43 : $P_{15546} = (57, 49, 2, 1)$ lies on line ℓ_7
44 : $P_{15557} = (4, 50, 2, 1)$ lies on line ℓ_6
45 : $P_{15803} = (58, 53, 2, 1)$ lies on line ℓ_{11}
46 : $P_{15888} = (15, 55, 2, 1)$ lies on line ℓ_9
47 : $P_{16405} = (20, 63, 2, 1)$ lies on line ℓ_8
48 : $P_{16449} = (0, 0, 3, 1)$ lies on line ℓ_0
49 : $P_{16579} = (2, 2, 3, 1)$ lies on line ℓ_1
50 : $P_{16893} = (60, 6, 3, 1)$ lies on line ℓ_5
51 : $P_{17565} = (28, 17, 3, 1)$ lies on line ℓ_9
52 : $P_{17800} = (7, 21, 3, 1)$ lies on line ℓ_2
53 : $P_{18078} = (29, 25, 3, 1)$ lies on line ℓ_4
54 : $P_{18279} = (38, 28, 3, 1)$ lies on line ℓ_8
55 : $P_{18393} = (24, 30, 3, 1)$ lies on line ℓ_{11}
56 : $P_{19042} = (33, 40, 3, 1)$ lies on line ℓ_3
57 : $P_{19136} = (63, 41, 3, 1)$ lies on line ℓ_6
58 : $P_{19139} = (2, 42, 3, 1)$ lies on line ℓ_{13}
59 : $P_{19440} = (47, 46, 3, 1)$ lies on line ℓ_{10}
60 : $P_{19493} = (36, 47, 3, 1)$ lies on line ℓ_7
61 : $P_{19666} = (17, 50, 3, 1)$ lies on line ℓ_{15}
62 : $P_{20545} = (0, 0, 4, 1)$ lies on line ℓ_0
63 : $P_{20870} = (5, 5, 4, 1)$ lies on line ℓ_1

64 : $P_{21182} = (61, 9, 4, 1)$ lies on line ℓ_6
65 : $P_{21429} = (52, 13, 4, 1)$ lies on line ℓ_{11}
66 : $P_{21538} = (33, 15, 4, 1)$ lies on line ℓ_4
67 : $P_{21847} = (22, 20, 4, 1)$ lies on line ℓ_7
68 : $P_{22201} = (56, 25, 4, 1)$ lies on line ℓ_5
69 : $P_{22353} = (16, 28, 4, 1)$ lies on line ℓ_2
70 : $P_{22661} = (4, 33, 4, 1)$ lies on line ℓ_9
71 : $P_{22726} = (5, 34, 4, 1)$ lies on line ℓ_{12}
72 : $P_{22739} = (18, 34, 4, 1)$ lies on line ℓ_{15}
73 : $P_{22982} = (5, 38, 4, 1)$ lies on line ℓ_{13}
74 : $P_{23416} = (55, 44, 4, 1)$ lies on line ℓ_{14}
75 : $P_{23869} = (60, 51, 4, 1)$ lies on line ℓ_3
76 : $P_{23894} = (21, 52, 4, 1)$ lies on line ℓ_{10}
77 : $P_{24092} = (27, 55, 4, 1)$ lies on line ℓ_8
78 : $P_{24641} = (0, 0, 5, 1)$ lies on line ℓ_0
79 : $P_{24901} = (4, 4, 5, 1)$ lies on line ℓ_1
80 : $P_{25112} = (23, 7, 5, 1)$ lies on line ℓ_9
81 : $P_{25292} = (11, 10, 5, 1)$ lies on line ℓ_7
82 : $P_{25392} = (47, 11, 5, 1)$ lies on line ℓ_5
83 : $P_{25799} = (6, 18, 5, 1)$ lies on line ℓ_6
84 : $P_{25962} = (41, 20, 5, 1)$ lies on line ℓ_8
85 : $P_{26092} = (43, 22, 5, 1)$ lies on line ℓ_{14}
86 : $P_{26309} = (4, 26, 5, 1)$ lies on line ℓ_{12}
87 : $P_{26471} = (38, 28, 5, 1)$ lies on line ℓ_{10}
88 : $P_{26623} = (62, 30, 5, 1)$ lies on line ℓ_4
89 : $P_{26669} = (44, 31, 5, 1)$ lies on line ℓ_2
90 : $P_{27095} = (22, 38, 5, 1)$ lies on line ℓ_{11}
91 : $P_{28118} = (21, 54, 5, 1)$ lies on line ℓ_3
92 : $P_{28737} = (0, 0, 6, 1)$ lies on line ℓ_0
93 : $P_{29075} = (18, 5, 6, 1)$ lies on line ℓ_{10}
94 : $P_{29192} = (7, 7, 6, 1)$ lies on line ℓ_1
95 : $P_{29539} = (34, 12, 6, 1)$ lies on line ℓ_9
96 : $P_{29791} = (30, 16, 6, 1)$ lies on line ℓ_8
97 : $P_{30410} = (9, 26, 6, 1)$ lies on line ℓ_2
98 : $P_{31341} = (44, 40, 6, 1)$ lies on line ℓ_7
99 : $P_{31648} = (31, 45, 6, 1)$ lies on line ℓ_4
100 : $P_{32008} = (7, 51, 6, 1)$ lies on line ℓ_{12}
101 : $P_{32136} = (7, 53, 6, 1)$ lies on line ℓ_{13}
102 : $P_{32447} = (62, 57, 6, 1)$ lies on line ℓ_{15}
103 : $P_{32466} = (17, 58, 6, 1)$ lies on line ℓ_{11}
104 : $P_{32663} = (22, 61, 6, 1)$ lies on line ℓ_5
105 : $P_{32811} = (42, 63, 6, 1)$ lies on line ℓ_6
106 : $P_{32833} = (0, 0, 7, 1)$ lies on line ℓ_0
107 : $P_{33044} = (19, 3, 7, 1)$ lies on line ℓ_{14}
108 : $P_{33129} = (40, 4, 7, 1)$ lies on line ℓ_{15}
109 : $P_{33223} = (6, 6, 7, 1)$ lies on line ℓ_1
110 : $P_{33543} = (6, 11, 7, 1)$ lies on line ℓ_{12}
111 : $P_{33607} = (6, 12, 7, 1)$ lies on line ℓ_{13}
112 : $P_{33972} = (51, 17, 7, 1)$ lies on line ℓ_{11}
113 : $P_{34486} = (53, 25, 7, 1)$ lies on line ℓ_2
114 : $P_{35154} = (17, 36, 7, 1)$ lies on line ℓ_6
115 : $P_{35570} = (49, 42, 7, 1)$ lies on line ℓ_9
116 : $P_{35746} = (33, 45, 7, 1)$ lies on line ℓ_{10}
117 : $P_{35842} = (1, 47, 7, 1)$ lies on line ℓ_5
118 : $P_{36141} = (44, 51, 7, 1)$ lies on line ℓ_8
119 : $P_{36338} = (49, 54, 7, 1)$ lies on line ℓ_7
120 : $P_{36673} = (0, 60, 7, 1)$ lies on line ℓ_4
121 : $P_{36711} = (38, 60, 7, 1)$ lies on line ℓ_3
122 : $P_{36929} = (0, 0, 8, 1)$ lies on line ℓ_0
123 : $P_{36999} = (6, 1, 8, 1)$ lies on line ℓ_4
124 : $P_{37151} = (30, 3, 8, 1)$ lies on line ℓ_5
125 : $P_{37480} = (39, 8, 8, 1)$ lies on line ℓ_2
126 : $P_{37514} = (9, 9, 8, 1)$ lies on line ℓ_1
127 : $P_{37779} = (18, 13, 8, 1)$ lies on line ℓ_9
128 : $P_{37942} = (53, 15, 8, 1)$ lies on line ℓ_3
129 : $P_{38585} = (56, 25, 8, 1)$ lies on line ℓ_{15}
130 : $P_{38761} = (40, 28, 8, 1)$ lies on line ℓ_{11}
131 : $P_{38895} = (46, 30, 8, 1)$ lies on line ℓ_6
132 : $P_{39306} = (9, 37, 8, 1)$ lies on line ℓ_{12}
133 : $P_{39430} = (5, 39, 8, 1)$ lies on line ℓ_8
134 : $P_{39818} = (9, 45, 8, 1)$ lies on line ℓ_{13}
135 : $P_{40072} = (7, 49, 8, 1)$ lies on line ℓ_{10}
136 : $P_{40197} = (4, 51, 8, 1)$ lies on line ℓ_{14}
137 : $P_{41002} = (41, 63, 8, 1)$ lies on line ℓ_7
138 : $P_{41025} = (0, 0, 9, 1)$ lies on line ℓ_0
139 : $P_{41336} = (55, 4, 9, 1)$ lies on line ℓ_8
140 : $P_{41366} = (21, 5, 9, 1)$ lies on line ℓ_6
141 : $P_{41545} = (8, 8, 9, 1)$ lies on line ℓ_1
142 : $P_{41625} = (24, 9, 9, 1)$ lies on line ℓ_{14}
143 : $P_{41693} = (28, 10, 9, 1)$ lies on line ℓ_3
144 : $P_{41756} = (27, 11, 9, 1)$ lies on line ℓ_2
145 : $P_{42074} = (25, 16, 9, 1)$ lies on line ℓ_4
146 : $P_{42122} = (9, 17, 9, 1)$ lies on line ℓ_5
147 : $P_{42313} = (8, 20, 9, 1)$ lies on line ℓ_{13}
148 : $P_{42677} = (52, 25, 9, 1)$ lies on line ℓ_{10}
149 : $P_{42889} = (8, 29, 9, 1)$ lies on line ℓ_{12}
150 : $P_{43189} = (52, 33, 9, 1)$ lies on line ℓ_7
151 : $P_{43375} = (46, 36, 9, 1)$ lies on line ℓ_{15}
152 : $P_{43778} = (1, 43, 9, 1)$ lies on line ℓ_9
153 : $P_{44555} = (10, 55, 9, 1)$ lies on line ℓ_{11}
154 : $P_{45269} = (20, 2, 10, 1)$ lies on line ℓ_{15}
155 : $P_{45332} = (19, 3, 10, 1)$ lies on line ℓ_7
156 : $P_{45447} = (6, 5, 10, 1)$ lies on line ℓ_3
157 : $P_{45836} = (11, 11, 10, 1)$ lies on line ℓ_1
158 : $P_{46079} = (62, 14, 10, 1)$ lies on line ℓ_2
159 : $P_{47221} = (52, 32, 10, 1)$ lies on line ℓ_9
160 : $P_{47417} = (56, 35, 10, 1)$ lies on line ℓ_4
161 : $P_{47613} = (60, 38, 10, 1)$ lies on line ℓ_{14}
162 : $P_{47665} = (48, 39, 10, 1)$ lies on line ℓ_5
163 : $P_{47738} = (57, 40, 10, 1)$ lies on line ℓ_6
164 : $P_{47886} = (13, 43, 10, 1)$ lies on line ℓ_{11}
165 : $P_{48460} = (11, 52, 10, 1)$ lies on line ℓ_{12}
166 : $P_{49100} = (11, 62, 10, 1)$ lies on line ℓ_{13}
167 : $P_{49217} = (0, 0, 11, 1)$ lies on line ℓ_0
168 : $P_{49640} = (39, 6, 11, 1)$ lies on line ℓ_9
169 : $P_{49675} = (10, 7, 11, 1)$ lies on line ℓ_{13}
170 : $P_{49867} = (10, 10, 11, 1)$ lies on line ℓ_1
171 : $P_{49995} = (10, 12, 11, 1)$ lies on line ℓ_{12}

172 : $P_{50051} = (2, 13, 11, 1)$ lies on line ℓ_2
173 : $P_{51041} = (32, 28, 11, 1)$ lies on line ℓ_{14}
174 : $P_{51087} = (14, 29, 11, 1)$ lies on line ℓ_7
175 : $P_{51507} = (50, 35, 11, 1)$ lies on line ℓ_8
176 : $P_{51828} = (51, 40, 11, 1)$ lies on line ℓ_{10}
177 : $P_{52456} = (39, 50, 11, 1)$ lies on line ℓ_4
178 : $P_{52483} = (2, 51, 11, 1)$ lies on line ℓ_6
179 : $P_{52648} = (39, 53, 11, 1)$ lies on line ℓ_5
180 : $P_{53251} = (2, 63, 11, 1)$ lies on line ℓ_{15}
181 : $P_{53313} = (0, 0, 12, 1)$ lies on line ℓ_0
182 : $P_{53590} = (21, 4, 12, 1)$ lies on line ℓ_2
183 : $P_{53774} = (13, 7, 12, 1)$ lies on line ℓ_{12}
184 : $P_{53840} = (15, 8, 12, 1)$ lies on line ℓ_8
185 : $P_{54030} = (13, 11, 12, 1)$ lies on line ℓ_{13}
186 : $P_{54158} = (13, 13, 12, 1)$ lies on line ℓ_1
187 : $P_{54529} = (0, 19, 12, 1)$ lies on line ℓ_6
188 : $P_{54532} = (3, 19, 12, 1)$ lies on line ℓ_{11}
189 : $P_{54934} = (21, 25, 12, 1)$ lies on line ℓ_{14}
190 : $P_{55091} = (50, 27, 12, 1)$ lies on line ℓ_3
191 : $P_{55644} = (27, 36, 12, 1)$ lies on line ℓ_4
192 : $P_{55805} = (60, 38, 12, 1)$ lies on line ℓ_7
193 : $P_{56036} = (35, 42, 12, 1)$ lies on line ℓ_5
194 : $P_{56322} = (1, 47, 12, 1)$ lies on line ℓ_{15}
195 : $P_{56522} = (9, 50, 12, 1)$ lies on line ℓ_{10}
196 : $P_{56832} = (63, 54, 12, 1)$ lies on line ℓ_9
197 : $P_{57409} = (0, 0, 13, 1)$ lies on line ℓ_0
198 : $P_{57898} = (41, 7, 13, 1)$ lies on line ℓ_2
199 : $P_{57980} = (59, 8, 13, 1)$ lies on line ℓ_6
200 : $P_{58189} = (12, 12, 13, 1)$ lies on line ℓ_1
201 : $P_{58477} = (44, 16, 13, 1)$ lies on line ℓ_9
202 : $P_{58584} = (23, 18, 13, 1)$ lies on line ℓ_{15}
203 : $P_{59131} = (58, 26, 13, 1)$ lies on line ℓ_{10}
204 : $P_{59356} = (27, 30, 13, 1)$ lies on line ℓ_3
205 : $P_{59658} = (9, 35, 13, 1)$ lies on line ℓ_{14}
206 : $P_{60222} = (61, 43, 13, 1)$ lies on line ℓ_8
207 : $P_{60621} = (12, 50, 13, 1)$ lies on line ℓ_{13}
208 : $P_{60805} = (4, 53, 13, 1)$ lies on line ℓ_4
209 : $P_{61045} = (52, 56, 13, 1)$ lies on line ℓ_5
210 : $P_{61453} = (12, 63, 13, 1)$ lies on line ℓ_{12}
211 : $P_{61505} = (0, 0, 14, 1)$ lies on line ℓ_0
212 : $P_{61645} = (12, 2, 14, 1)$ lies on line ℓ_2
213 : $P_{61711} = (14, 3, 14, 1)$ lies on line ℓ_{10}
214 : $P_{61926} = (37, 6, 14, 1)$ lies on line ℓ_4
215 : $P_{62318} = (45, 12, 14, 1)$ lies on line ℓ_{14}
216 : $P_{62414} = (13, 14, 14, 1)$ lies on line ℓ_5
217 : $P_{62480} = (15, 15, 14, 1)$ lies on line ℓ_1
218 : $P_{62594} = (1, 17, 14, 1)$ lies on line ℓ_3
219 : $P_{62928} = (15, 22, 14, 1)$ lies on line ℓ_{12}
220 : $P_{63056} = (15, 24, 14, 1)$ lies on line ℓ_{13}
221 : $P_{63175} = (6, 26, 14, 1)$ lies on line ℓ_7
222 : $P_{63258} = (25, 27, 14, 1)$ lies on line ℓ_9
223 : $P_{63847} = (38, 36, 14, 1)$ lies on line ℓ_{11}
224 : $P_{63896} = (23, 37, 14, 1)$ lies on line ℓ_6
225 : $P_{64523} = (10, 47, 14, 1)$ lies on line ℓ_8
226 : $P_{64878} = (45, 52, 14, 1)$ lies on line ℓ_{15}
227 : $P_{65601} = (0, 0, 15, 1)$ lies on line ℓ_0
228 : $P_{65713} = (48, 1, 15, 1)$ lies on line ℓ_2
229 : $P_{65884} = (27, 4, 15, 1)$ lies on line ℓ_7
230 : $P_{66236} = (59, 9, 15, 1)$ lies on line ℓ_{15}
231 : $P_{66425} = (56, 12, 15, 1)$ lies on line ℓ_8
232 : $P_{66511} = (14, 14, 15, 1)$ lies on line ℓ_1
233 : $P_{66565} = (4, 15, 15, 1)$ lies on line ℓ_{11}
234 : $P_{66921} = (40, 20, 15, 1)$ lies on line ℓ_3
235 : $P_{67131} = (58, 23, 15, 1)$ lies on line ℓ_4
236 : $P_{67419} = (26, 28, 15, 1)$ lies on line ℓ_5
237 : $P_{67727} = (14, 33, 15, 1)$ lies on line ℓ_{13}
238 : $P_{68414} = (61, 43, 15, 1)$ lies on line ℓ_{10}
239 : $P_{68559} = (14, 46, 15, 1)$ lies on line ℓ_{12}
240 : $P_{69106} = (49, 54, 15, 1)$ lies on line ℓ_{14}
241 : $P_{69515} = (10, 61, 15, 1)$ lies on line ℓ_9
242 : $P_{69613} = (44, 62, 15, 1)$ lies on line ℓ_6
243 : $P_{69697} = (0, 0, 16, 1)$ lies on line ℓ_0
244 : $P_{70202} = (57, 7, 16, 1)$ lies on line ℓ_8
245 : $P_{70263} = (54, 8, 16, 1)$ lies on line ℓ_7
246 : $P_{70532} = (3, 13, 16, 1)$ lies on line ℓ_{14}
247 : $P_{70606} = (13, 14, 16, 1)$ lies on line ℓ_{15}
248 : $P_{70802} = (17, 17, 16, 1)$ lies on line ℓ_1
249 : $P_{71144} = (39, 22, 16, 1)$ lies on line ℓ_3
250 : $P_{71594} = (41, 29, 16, 1)$ lies on line ℓ_4
251 : $P_{71785} = (40, 32, 16, 1)$ lies on line ℓ_2
252 : $P_{72466} = (17, 43, 16, 1)$ lies on line ℓ_{12}
253 : $P_{72777} = (8, 48, 16, 1)$ lies on line ℓ_6
254 : $P_{73087} = (62, 52, 16, 1)$ lies on line ℓ_9
255 : $P_{73268} = (51, 55, 16, 1)$ lies on line ℓ_5
256 : $P_{73490} = (17, 59, 16, 1)$ lies on line ℓ_{13}
257 : $P_{73508} = (35, 59, 16, 1)$ lies on line ℓ_{10}
258 : $P_{73681} = (16, 62, 16, 1)$ lies on line ℓ_{11}
259 : $P_{73793} = (0, 0, 17, 1)$ lies on line ℓ_0
260 : $P_{73937} = (16, 2, 17, 1)$ lies on line ℓ_{13}
261 : $P_{74615} = (54, 12, 17, 1)$ lies on line ℓ_4
262 : $P_{74833} = (16, 16, 17, 1)$ lies on line ℓ_1
263 : $P_{74990} = (45, 18, 17, 1)$ lies on line ℓ_9
264 : $P_{75023} = (14, 19, 17, 1)$ lies on line ℓ_3
265 : $P_{75187} = (50, 21, 17, 1)$ lies on line ℓ_{11}
266 : $P_{75244} = (43, 22, 17, 1)$ lies on line ℓ_7
267 : $P_{76053} = (20, 35, 17, 1)$ lies on line ℓ_2
268 : $P_{76108} = (11, 36, 17, 1)$ lies on line ℓ_8
269 : $P_{76197} = (36, 37, 17, 1)$ lies on line ℓ_5
270 : $P_{76596} = (51, 43, 17, 1)$ lies on line ℓ_6
271 : $P_{77084} = (27, 51, 17, 1)$ lies on line ℓ_{15}
272 : $P_{77344} = (31, 55, 17, 1)$ lies on line ℓ_{14}
273 : $P_{77889} = (0, 0, 18, 1)$ lies on line ℓ_0
274 : $P_{78304} = (31, 6, 18, 1)$ lies on line ℓ_6
275 : $P_{78518} = (53, 9, 18, 1)$ lies on line ℓ_{11}
276 : $P_{78565} = (36, 10, 18, 1)$ lies on line ℓ_{10}
277 : $P_{79124} = (19, 19, 18, 1)$ lies on line ℓ_1
278 : $P_{79134} = (29, 19, 18, 1)$ lies on line ℓ_5
279 : $P_{79266} = (33, 21, 18, 1)$ lies on line ℓ_{15}

280 : $P_{79484} = (59, 24, 18, 1)$ lies on line ℓ_{14}
281 : $P_{79513} = (24, 25, 18, 1)$ lies on line ℓ_{9}
282 : $P_{79701} = (20, 28, 18, 1)$ lies on line ℓ_{3}
283 : $P_{79997} = (60, 32, 18, 1)$ lies on line ℓ_{8}
284 : $P_{80370} = (49, 38, 18, 1)$ lies on line ℓ_{2}
285 : $P_{80468} = (19, 40, 18, 1)$ lies on line ℓ_{13}
286 : $P_{81229} = (12, 52, 18, 1)$ lies on line ℓ_{7}
287 : $P_{81620} = (19, 58, 18, 1)$ lies on line ℓ_{12}
288 : $P_{81944} = (23, 63, 18, 1)$ lies on line ℓ_{4}
289 : $P_{81985} = (0, 0, 19, 1)$ lies on line ℓ_{0}
290 : $P_{82059} = (10, 1, 19, 1)$ lies on line ℓ_{5}
291 : $P_{82131} = (18, 2, 19, 1)$ lies on line ℓ_{12}
292 : $P_{82191} = (14, 3, 19, 1)$ lies on line ℓ_{8}
293 : $P_{83091} = (18, 17, 19, 1)$ lies on line ℓ_{13}
294 : $P_{83155} = (18, 18, 19, 1)$ lies on line ℓ_{1}
295 : $P_{83646} = (61, 25, 19, 1)$ lies on line ℓ_{3}
296 : $P_{83877} = (36, 29, 19, 1)$ lies on line ℓ_{6}
297 : $P_{84200} = (39, 34, 19, 1)$ lies on line ℓ_{14}
298 : $P_{84366} = (13, 37, 19, 1)$ lies on line ℓ_{2}
299 : $P_{84600} = (55, 40, 19, 1)$ lies on line ℓ_{15}
300 : $P_{84690} = (17, 42, 19, 1)$ lies on line ℓ_{7}
301 : $P_{84937} = (8, 46, 19, 1)$ lies on line ℓ_{4}
302 : $P_{86028} = (11, 63, 19, 1)$ lies on line ℓ_{9}
303 : $P_{86081} = (0, 0, 20, 1)$ lies on line ℓ_{0}
304 : $P_{86241} = (32, 2, 20, 1)$ lies on line ℓ_{3}
305 : $P_{86678} = (21, 9, 20, 1)$ lies on line ℓ_{12}
306 : $P_{87060} = (19, 15, 20, 1)$ lies on line ℓ_{9}
307 : $P_{87204} = (35, 17, 20, 1)$ lies on line ℓ_{7}
308 : $P_{87446} = (21, 21, 20, 1)$ lies on line ℓ_{1}
309 : $P_{87958} = (21, 29, 20, 1)$ lies on line ℓ_{13}
310 : $P_{88015} = (14, 30, 20, 1)$ lies on line ℓ_{5}
311 : $P_{88595} = (18, 39, 20, 1)$ lies on line ℓ_{14}
312 : $P_{88692} = (51, 40, 20, 1)$ lies on line ℓ_{8}
313 : $P_{88923} = (26, 44, 20, 1)$ lies on line ℓ_{2}
314 : $P_{89276} = (59, 49, 20, 1)$ lies on line ℓ_{11}
315 : $P_{89710} = (45, 56, 20, 1)$ lies on line ℓ_{10}
316 : $P_{90023} = (38, 61, 20, 1)$ lies on line ℓ_{6}
317 : $P_{90177} = (0, 0, 21, 1)$ lies on line ℓ_{0}
318 : $P_{90531} = (34, 5, 21, 1)$ lies on line ℓ_{15}
319 : $P_{90634} = (9, 7, 21, 1)$ lies on line ℓ_{3}
320 : $P_{90882} = (1, 11, 21, 1)$ lies on line ℓ_{8}
321 : $P_{90970} = (25, 12, 21, 1)$ lies on line ℓ_{5}
322 : $P_{91199} = (62, 15, 21, 1)$ lies on line ℓ_{7}
323 : $P_{91231} = (30, 16, 21, 1)$ lies on line ℓ_{10}
324 : $P_{91477} = (20, 20, 21, 1)$ lies on line ℓ_{1}
325 : $P_{91866} = (25, 26, 21, 1)$ lies on line ℓ_{11}
326 : $P_{92047} = (14, 29, 21, 1)$ lies on line ℓ_{14}
327 : $P_{92501} = (20, 36, 21, 1)$ lies on line ℓ_{13}
328 : $P_{92638} = (29, 38, 21, 1)$ lies on line ℓ_{6}
329 : $P_{92801} = (0, 41, 21, 1)$ lies on line ℓ_{9}
330 : $P_{92844} = (43, 41, 21, 1)$ lies on line ℓ_{4}
331 : $P_{93223} = (38, 47, 21, 1)$ lies on line ℓ_{2}
332 : $P_{93333} = (20, 49, 21, 1)$ lies on line ℓ_{12}
333 : $P_{94273} = (0, 0, 22, 1)$ lies on line ℓ_{0}
334 : $P_{94687} = (30, 6, 22, 1)$ lies on line ℓ_{11}
335 : $P_{94804} = (19, 8, 22, 1)$ lies on line ℓ_{3}
336 : $P_{94891} = (42, 9, 22, 1)$ lies on line ℓ_{10}
337 : $P_{95026} = (49, 11, 22, 1)$ lies on line ℓ_{6}
338 : $P_{95192} = (23, 14, 22, 1)$ lies on line ℓ_{13}
339 : $P_{95287} = (54, 15, 22, 1)$ lies on line ℓ_{8}
340 : $P_{95768} = (23, 23, 22, 1)$ lies on line ℓ_{1}
341 : $P_{95832} = (23, 24, 22, 1)$ lies on line ℓ_{12}
342 : $P_{95947} = (10, 26, 22, 1)$ lies on line ℓ_{4}
343 : $P_{96502} = (53, 34, 22, 1)$ lies on line ℓ_{9}
344 : $P_{96537} = (24, 35, 22, 1)$ lies on line ℓ_{15}
345 : $P_{96964} = (3, 42, 22, 1)$ lies on line ℓ_{2}
346 : $P_{97178} = (25, 45, 22, 1)$ lies on line ℓ_{7}
347 : $P_{97515} = (42, 50, 22, 1)$ lies on line ℓ_{14}
348 : $P_{98017} = (32, 58, 22, 1)$ lies on line ℓ_{5}
349 : $P_{98369} = (0, 0, 23, 1)$ lies on line ℓ_{0}
350 : $P_{98663} = (38, 4, 23, 1)$ lies on line ℓ_{9}
351 : $P_{98935} = (54, 8, 23, 1)$ lies on line ℓ_{14}
352 : $P_{99094} = (21, 11, 23, 1)$ lies on line ℓ_{4}
353 : $P_{99259} = (58, 13, 23, 1)$ lies on line ℓ_{3}
354 : $P_{99403} = (10, 16, 23, 1)$ lies on line ℓ_{6}
355 : $P_{99799} = (22, 22, 23, 1)$ lies on line ℓ_{1}
356 : $P_{100303} = (14, 30, 23, 1)$ lies on line ℓ_{15}
357 : $P_{100439} = (22, 32, 23, 1)$ lies on line ℓ_{12}
358 : $P_{100506} = (25, 33, 23, 1)$ lies on line ℓ_{10}
359 : $P_{100984} = (55, 40, 23, 1)$ lies on line ℓ_{5}
360 : $P_{101056} = (63, 41, 23, 1)$ lies on line ℓ_{2}
361 : $P_{101189} = (4, 44, 23, 1)$ lies on line ℓ_{8}
362 : $P_{101309} = (60, 45, 23, 1)$ lies on line ℓ_{11}
363 : $P_{101637} = (4, 51, 23, 1)$ lies on line ℓ_{7}
364 : $P_{101911} = (22, 55, 23, 1)$ lies on line ℓ_{13}
365 : $P_{102465} = (0, 0, 24, 1)$ lies on line ℓ_{0}
366 : $P_{102687} = (30, 3, 24, 1)$ lies on line ℓ_{15}
367 : $P_{102761} = (40, 4, 24, 1)$ lies on line ℓ_{5}
368 : $P_{103386} = (25, 14, 24, 1)$ lies on line ℓ_{12}
369 : $P_{103898} = (25, 22, 24, 1)$ lies on line ℓ_{13}
370 : $P_{104090} = (25, 25, 24, 1)$ lies on line ℓ_{1}
371 : $P_{104552} = (39, 32, 24, 1)$ lies on line ℓ_{11}
372 : $P_{104710} = (5, 35, 24, 1)$ lies on line ℓ_{9}
373 : $P_{105206} = (53, 42, 24, 1)$ lies on line ℓ_{6}
374 : $P_{105940} = (19, 54, 24, 1)$ lies on line ℓ_{4}
375 : $P_{106082} = (33, 56, 24, 1)$ lies on line ℓ_{14}
376 : $P_{106205} = (28, 58, 24, 1)$ lies on line ℓ_{7}
377 : $P_{106432} = (63, 61, 24, 1)$ lies on line ℓ_{10}
378 : $P_{106474} = (41, 62, 24, 1)$ lies on line ℓ_{3}
379 : $P_{106561} = (0, 0, 25, 1)$ lies on line ℓ_{0}
380 : $P_{106750} = (61, 2, 25, 1)$ lies on line ℓ_{14}
381 : $P_{106903} = (22, 5, 25, 1)$ lies on line ℓ_{9}
382 : $P_{107270} = (5, 11, 25, 1)$ lies on line ℓ_{11}
383 : $P_{107917} = (12, 21, 25, 1)$ lies on line ℓ_{10}
384 : $P_{108032} = (63, 22, 25, 1)$ lies on line ℓ_{5}
385 : $P_{108121} = (24, 24, 25, 1)$ lies on line ℓ_{1}
386 : $P_{108320} = (31, 27, 25, 1)$ lies on line ℓ_{8}
387 : $P_{108866} = (1, 36, 25, 1)$ lies on line ℓ_{7}

388 : $P_{109069} = (12, 39, 25, 1)$ lies on line ℓ_4
389 : $P_{109593} = (24, 47, 25, 1)$ lies on line ℓ_{13}
390 : $P_{109711} = (14, 49, 25, 1)$ lies on line ℓ_6
391 : $P_{110041} = (24, 54, 25, 1)$ lies on line ℓ_{12}
392 : $P_{110337} = (0, 59, 25, 1)$ lies on line ℓ_3
393 : $P_{110354} = (17, 59, 25, 1)$ lies on line ℓ_2
394 : $P_{110537} = (8, 62, 25, 1)$ lies on line ℓ_{15}
395 : $P_{110657} = (0, 0, 26, 1)$ lies on line ℓ_0
396 : $P_{111004} = (27, 5, 26, 1)$ lies on line ℓ_{13}
397 : $P_{111079} = (38, 6, 26, 1)$ lies on line ℓ_7
398 : $P_{111481} = (56, 12, 26, 1)$ lies on line ℓ_{10}
399 : $P_{111588} = (35, 14, 26, 1)$ lies on line ℓ_9
400 : $P_{111982} = (45, 20, 26, 1)$ lies on line ℓ_4
401 : $P_{112131} = (2, 23, 26, 1)$ lies on line ℓ_{11}
402 : $P_{112243} = (50, 24, 26, 1)$ lies on line ℓ_{15}
403 : $P_{112412} = (27, 27, 26, 1)$ lies on line ℓ_1
404 : $P_{112483} = (34, 28, 26, 1)$ lies on line ℓ_6
405 : $P_{112668} = (27, 31, 26, 1)$ lies on line ℓ_{12}
406 : $P_{112681} = (40, 31, 26, 1)$ lies on line ℓ_8
407 : $P_{112711} = (6, 32, 26, 1)$ lies on line ℓ_5
408 : $P_{113562} = (25, 45, 26, 1)$ lies on line ℓ_{14}
409 : $P_{114011} = (26, 52, 26, 1)$ lies on line ℓ_3
410 : $P_{114677} = (52, 62, 26, 1)$ lies on line ℓ_2
411 : $P_{114753} = (0, 0, 27, 1)$ lies on line ℓ_0
412 : $P_{115123} = (50, 5, 27, 1)$ lies on line ℓ_4
413 : $P_{115226} = (25, 7, 27, 1)$ lies on line ℓ_6
414 : $P_{116230} = (5, 23, 27, 1)$ lies on line ℓ_{14}
415 : $P_{116348} = (59, 24, 27, 1)$ lies on line ℓ_7
416 : $P_{116443} = (26, 26, 27, 1)$ lies on line ℓ_1
417 : $P_{117068} = (11, 36, 27, 1)$ lies on line ℓ_{10}
418 : $P_{117157} = (36, 37, 27, 1)$ lies on line ℓ_{15}
419 : $P_{117275} = (26, 39, 27, 1)$ lies on line ℓ_{12}
420 : $P_{117361} = (48, 40, 27, 1)$ lies on line ℓ_9
421 : $P_{117940} = (51, 49, 27, 1)$ lies on line ℓ_3
422 : $P_{117970} = (17, 50, 27, 1)$ lies on line ℓ_5
423 : $P_{118625} = (32, 60, 27, 1)$ lies on line ℓ_{11}
424 : $P_{118665} = (8, 61, 27, 1)$ lies on line ℓ_2
425 : $P_{118849} = (0, 0, 28, 1)$ lies on line ℓ_0
426 : $P_{120049} = (48, 18, 28, 1)$ lies on line ℓ_{14}
427 : $P_{120079} = (14, 19, 28, 1)$ lies on line ℓ_4
428 : $P_{120360} = (39, 23, 28, 1)$ lies on line ℓ_8
429 : $P_{120425} = (40, 24, 28, 1)$ lies on line ℓ_9
430 : $P_{120734} = (29, 29, 28, 1)$ lies on line ℓ_1
431 : $P_{121098} = (9, 35, 28, 1)$ lies on line ℓ_7
432 : $P_{121372} = (27, 39, 28, 1)$ lies on line ℓ_6
433 : $P_{121583} = (46, 42, 28, 1)$ lies on line ℓ_3
434 : $P_{121694} = (29, 44, 28, 1)$ lies on line ℓ_{12}
435 : $P_{121750} = (21, 45, 28, 1)$ lies on line ℓ_5
436 : $P_{121869} = (12, 47, 28, 1)$ lies on line ℓ_{11}
437 : $P_{121950} = (29, 48, 28, 1)$ lies on line ℓ_{13}
438 : $P_{122208} = (31, 52, 28, 1)$ lies on line ℓ_2
439 : $P_{122280} = (39, 53, 28, 1)$ lies on line ℓ_{15}
440 : $P_{122866} = (49, 62, 28, 1)$ lies on line ℓ_{10}
441 : $P_{122945} = (0, 0, 29, 1)$ lies on line ℓ_0
442 : $P_{123090} = (17, 2, 29, 1)$ lies on line ℓ_4
443 : $P_{123247} = (46, 4, 29, 1)$ lies on line ℓ_{11}
444 : $P_{123506} = (49, 8, 29, 1)$ lies on line ℓ_{15}
445 : $P_{123549} = (28, 9, 29, 1)$ lies on line ℓ_{13}
446 : $P_{124253} = (28, 20, 29, 1)$ lies on line ℓ_{12}
447 : $P_{124355} = (2, 22, 29, 1)$ lies on line ℓ_{10}
448 : $P_{124765} = (28, 28, 29, 1)$ lies on line ℓ_1
449 : $P_{125549} = (44, 40, 29, 1)$ lies on line ℓ_{14}
450 : $P_{125960} = (7, 47, 29, 1)$ lies on line ℓ_3
451 : $P_{126294} = (21, 52, 29, 1)$ lies on line ℓ_8
452 : $P_{126500} = (35, 55, 29, 1)$ lies on line ℓ_2
453 : $P_{126817} = (32, 60, 29, 1)$ lies on line ℓ_6
454 : $P_{126869} = (20, 61, 29, 1)$ lies on line ℓ_7
455 : $P_{126972} = (59, 62, 29, 1)$ lies on line ℓ_9
456 : $P_{126979} = (2, 63, 29, 1)$ lies on line ℓ_5
457 : $P_{127041} = (0, 0, 30, 1)$ lies on line ℓ_0
458 : $P_{127497} = (8, 7, 30, 1)$ lies on line ℓ_{14}
459 : $P_{127676} = (59, 9, 30, 1)$ lies on line ℓ_5
460 : $P_{128055} = (54, 15, 30, 1)$ lies on line ℓ_{10}
461 : $P_{128141} = (12, 17, 30, 1)$ lies on line ℓ_6
462 : $P_{128618} = (41, 24, 30, 1)$ lies on line ℓ_{11}
463 : $P_{129056} = (31, 31, 30, 1)$ lies on line ℓ_1
464 : $P_{129076} = (51, 31, 30, 1)$ lies on line ℓ_7
465 : $P_{129118} = (29, 32, 30, 1)$ lies on line ℓ_3
466 : $P_{129312} = (31, 35, 30, 1)$ lies on line ℓ_{13}
467 : $P_{129996} = (11, 46, 30, 1)$ lies on line ℓ_{15}
468 : $P_{130147} = (34, 48, 30, 1)$ lies on line ℓ_8
469 : $P_{130225} = (48, 49, 30, 1)$ lies on line ℓ_4
470 : $P_{130247} = (6, 50, 30, 1)$ lies on line ℓ_2
471 : $P_{130447} = (14, 53, 30, 1)$ lies on line ℓ_9
472 : $P_{130976} = (31, 61, 30, 1)$ lies on line ℓ_{12}
473 : $P_{131137} = (0, 0, 31, 1)$ lies on line ℓ_0
474 : $P_{131247} = (46, 1, 31, 1)$ lies on line ℓ_7
475 : $P_{131487} = (30, 5, 31, 1)$ lies on line ℓ_{12}
476 : $P_{131832} = (55, 10, 31, 1)$ lies on line ℓ_6
477 : $P_{132369} = (16, 19, 31, 1)$ lies on line ℓ_8
478 : $P_{132831} = (30, 26, 31, 1)$ lies on line ℓ_{13}
479 : $P_{132909} = (44, 27, 31, 1)$ lies on line ℓ_5
480 : $P_{133087} = (30, 30, 31, 1)$ lies on line ℓ_1
481 : $P_{133232} = (47, 32, 31, 1)$ lies on line ℓ_4
482 : $P_{133557} = (52, 37, 31, 1)$ lies on line ℓ_3
483 : $P_{133638} = (5, 39, 31, 1)$ lies on line ℓ_{10}
484 : $P_{134331} = (58, 49, 31, 1)$ lies on line ℓ_2
485 : $P_{134412} = (11, 51, 31, 1)$ lies on line ℓ_{11}
486 : $P_{135061} = (20, 61, 31, 1)$ lies on line ℓ_{14}
487 : $P_{135233} = (0, 0, 32, 1)$ lies on line ℓ_0
488 : $P_{135689} = (8, 7, 32, 1)$ lies on line ℓ_7
489 : $P_{136102} = (37, 13, 32, 1)$ lies on line ℓ_6
490 : $P_{136270} = (13, 16, 32, 1)$ lies on line ℓ_{14}
491 : $P_{136375} = (54, 17, 32, 1)$ lies on line ℓ_2
492 : $P_{136738} = (33, 23, 32, 1)$ lies on line ℓ_{13}
493 : $P_{136962} = (1, 27, 32, 1)$ lies on line ℓ_{11}
494 : $P_{137287} = (6, 32, 32, 1)$ lies on line ℓ_{15}
495 : $P_{137378} = (33, 33, 32, 1)$ lies on line ℓ_1

496 : $P_{137540} = (3, 36, 32, 1)$ lies on line ℓ_3
497 : $P_{137623} = (22, 37, 32, 1)$ lies on line ℓ_4
498 : $P_{137697} = (32, 38, 32, 1)$ lies on line ℓ_8
499 : $P_{137736} = (7, 39, 32, 1)$ lies on line ℓ_9
500 : $P_{138251} = (10, 47, 32, 1)$ lies on line ℓ_{10}
501 : $P_{138786} = (33, 55, 32, 1)$ lies on line ℓ_{12}
502 : $P_{139209} = (8, 62, 32, 1)$ lies on line ℓ_5
503 : $P_{139329} = (0, 0, 33, 1)$ lies on line ℓ_0
504 : $P_{139413} = (20, 1, 33, 1)$ lies on line ℓ_9
505 : $P_{139667} = (18, 5, 33, 1)$ lies on line ℓ_8
506 : $P_{139834} = (57, 7, 33, 1)$ lies on line ℓ_{10}
507 : $P_{140321} = (32, 15, 33, 1)$ lies on line ℓ_{12}
508 : $P_{140491} = (10, 18, 33, 1)$ lies on line ℓ_2
509 : $P_{140767} = (30, 22, 33, 1)$ lies on line ℓ_6
510 : $P_{140950} = (21, 25, 33, 1)$ lies on line ℓ_7
511 : $P_{141201} = (16, 29, 33, 1)$ lies on line ℓ_{15}
512 : $P_{141409} = (32, 32, 33, 1)$ lies on line ℓ_1
513 : $P_{141483} = (42, 33, 33, 1)$ lies on line ℓ_3
514 : $P_{142034} = (17, 42, 33, 1)$ lies on line ℓ_{14}
515 : $P_{142176} = (31, 44, 33, 1)$ lies on line ℓ_5
516 : $P_{142305} = (32, 46, 33, 1)$ lies on line ℓ_{13}
517 : $P_{142436} = (35, 48, 33, 1)$ lies on line ℓ_{11}
518 : $P_{142666} = (9, 52, 33, 1)$ lies on line ℓ_4
519 : $P_{143425} = (0, 0, 34, 1)$ lies on line ℓ_0
520 : $P_{143526} = (37, 1, 34, 1)$ lies on line ℓ_8
521 : $P_{143716} = (35, 4, 34, 1)$ lies on line ℓ_{13}
522 : $P_{143798} = (53, 5, 34, 1)$ lies on line ℓ_{14}
523 : $P_{143913} = (40, 7, 34, 1)$ lies on line ℓ_4
524 : $P_{144098} = (33, 10, 34, 1)$ lies on line ℓ_9
525 : $P_{144944} = (47, 23, 34, 1)$ lies on line ℓ_2
526 : $P_{145127} = (38, 26, 34, 1)$ lies on line ℓ_5
527 : $P_{145358} = (13, 30, 34, 1)$ lies on line ℓ_{10}
528 : $P_{145700} = (35, 35, 34, 1)$ lies on line ℓ_1
529 : $P_{145892} = (35, 38, 34, 1)$ lies on line ℓ_{12}
530 : $P_{146277} = (36, 44, 34, 1)$ lies on line ℓ_{11}
531 : $P_{146417} = (48, 46, 34, 1)$ lies on line ℓ_3
532 : $P_{147243} = (42, 59, 34, 1)$ lies on line ℓ_{15}
533 : $P_{147521} = (0, 0, 35, 1)$ lies on line ℓ_0
534 : $P_{147965} = (60, 6, 35, 1)$ lies on line ℓ_{15}
535 : $P_{147975} = (6, 7, 35, 1)$ lies on line ℓ_{11}
536 : $P_{148082} = (49, 8, 35, 1)$ lies on line ℓ_5
537 : $P_{148820} = (19, 20, 35, 1)$ lies on line ℓ_2
538 : $P_{148984} = (55, 22, 35, 1)$ lies on line ℓ_4
539 : $P_{149475} = (34, 30, 35, 1)$ lies on line ℓ_{12}
540 : $P_{149578} = (9, 32, 35, 1)$ lies on line ℓ_6
541 : $P_{149720} = (23, 34, 35, 1)$ lies on line ℓ_8
542 : $P_{149731} = (34, 34, 35, 1)$ lies on line ℓ_1
543 : $P_{149936} = (47, 37, 35, 1)$ lies on line ℓ_7
544 : $P_{150298} = (25, 43, 35, 1)$ lies on line ℓ_3
545 : $P_{150387} = (50, 44, 35, 1)$ lies on line ℓ_9
546 : $P_{151039} = (62, 54, 35, 1)$ lies on line ℓ_{10}
547 : $P_{151459} = (34, 61, 35, 1)$ lies on line ℓ_{13}
548 : $P_{151594} = (41, 63, 35, 1)$ lies on line ℓ_{14}
549 : $P_{151617} = (0, 0, 36, 1)$ lies on line ℓ_0
550 : $P_{152235} = (42, 9, 36, 1)$ lies on line ℓ_8
551 : $P_{152939} = (42, 20, 36, 1)$ lies on line ℓ_{11}
552 : $P_{152998} = (37, 21, 36, 1)$ lies on line ℓ_{12}
553 : $P_{153088} = (63, 22, 36, 1)$ lies on line ℓ_{15}
554 : $P_{153142} = (53, 23, 36, 1)$ lies on line ℓ_5
555 : $P_{153451} = (42, 28, 36, 1)$ lies on line ℓ_9
556 : $P_{153477} = (4, 29, 36, 1)$ lies on line ℓ_2
557 : $P_{153566} = (29, 30, 36, 1)$ lies on line ℓ_7
558 : $P_{154022} = (37, 37, 36, 1)$ lies on line ℓ_1
559 : $P_{154437} = (4, 44, 36, 1)$ lies on line ℓ_{10}
560 : $P_{154693} = (4, 48, 36, 1)$ lies on line ℓ_3
561 : $P_{154790} = (37, 49, 36, 1)$ lies on line ℓ_{13}
562 : $P_{155357} = (28, 58, 36, 1)$ lies on line ℓ_{14}
563 : $P_{156024} = (55, 4, 37, 1)$ lies on line ℓ_{10}
564 : $P_{156067} = (34, 5, 37, 1)$ lies on line ℓ_5
565 : $P_{156261} = (36, 8, 37, 1)$ lies on line ℓ_{13}
566 : $P_{156821} = (20, 17, 37, 1)$ lies on line ℓ_4
567 : $P_{157489} = (48, 27, 37, 1)$ lies on line ℓ_6
568 : $P_{157689} = (56, 30, 37, 1)$ lies on line ℓ_2
569 : $P_{158053} = (36, 36, 37, 1)$ lies on line ℓ_1
570 : $P_{158425} = (24, 42, 37, 1)$ lies on line ℓ_8
571 : $P_{158506} = (41, 43, 37, 1)$ lies on line ℓ_{15}
572 : $P_{158629} = (36, 45, 37, 1)$ lies on line ℓ_{12}
573 : $P_{159150} = (45, 53, 37, 1)$ lies on line ℓ_3
574 : $P_{159482} = (57, 58, 37, 1)$ lies on line ℓ_9
575 : $P_{159753} = (8, 63, 37, 1)$ lies on line ℓ_{11}
576 : $P_{159809} = (0, 0, 38, 1)$ lies on line ℓ_0
577 : $P_{160104} = (39, 4, 38, 1)$ lies on line ℓ_{12}
578 : $P_{160660} = (19, 13, 38, 1)$ lies on line ℓ_{15}
579 : $P_{161566} = (29, 27, 38, 1)$ lies on line ℓ_2
580 : $P_{161668} = (3, 29, 38, 1)$ lies on line ℓ_{10}
581 : $P_{162038} = (53, 34, 38, 1)$ lies on line ℓ_4
582 : $P_{162064} = (15, 35, 38, 1)$ lies on line ℓ_{11}
583 : $P_{162344} = (39, 39, 38, 1)$ lies on line ℓ_1
584 : $P_{162800} = (47, 46, 38, 1)$ lies on line ℓ_8
585 : $P_{162853} = (36, 47, 38, 1)$ lies on line ℓ_{14}
586 : $P_{162957} = (12, 49, 38, 1)$ lies on line ℓ_9
587 : $P_{163100} = (27, 51, 38, 1)$ lies on line ℓ_5
588 : $P_{163293} = (28, 54, 38, 1)$ lies on line ℓ_6
589 : $P_{163576} = (55, 58, 38, 1)$ lies on line ℓ_3
590 : $P_{163905} = (0, 0, 39, 1)$ lies on line ℓ_0
591 : $P_{164462} = (45, 8, 39, 1)$ lies on line ℓ_{11}
592 : $P_{164766} = (29, 13, 39, 1)$ lies on line ℓ_8
593 : $P_{165305} = (56, 21, 39, 1)$ lies on line ℓ_{14}
594 : $P_{165408} = (31, 23, 39, 1)$ lies on line ℓ_9
595 : $P_{165474} = (33, 24, 39, 1)$ lies on line ℓ_2
596 : $P_{165671} = (38, 27, 39, 1)$ lies on line ℓ_{13}
597 : $P_{166029} = (12, 33, 39, 1)$ lies on line ℓ_5
598 : $P_{166375} = (38, 38, 39, 1)$ lies on line ℓ_1
599 : $P_{166824} = (39, 45, 39, 1)$ lies on line ℓ_6
600 : $P_{166982} = (5, 48, 39, 1)$ lies on line ℓ_{15}
601 : $P_{167211} = (42, 51, 39, 1)$ lies on line ℓ_4
602 : $P_{167345} = (48, 53, 39, 1)$ lies on line ℓ_{10}
603 : $P_{167783} = (38, 60, 39, 1)$ lies on line ℓ_{12}

604 : $P_{167803} = (58, 60, 39, 1)$ lies on line ℓ_7
605 : $P_{167967} = (30, 63, 39, 1)$ lies on line ℓ_3
606 : $P_{168001} = (0, 0, 40, 1)$ lies on line ℓ_0
607 : $P_{168375} = (54, 5, 40, 1)$ lies on line ℓ_{11}
608 : $P_{168628} = (51, 9, 40, 1)$ lies on line ℓ_2
609 : $P_{168782} = (13, 12, 40, 1)$ lies on line ℓ_3
610 : $P_{168852} = (19, 13, 40, 1)$ lies on line ℓ_5
611 : $P_{168941} = (44, 14, 40, 1)$ lies on line ℓ_4
612 : $P_{169194} = (41, 18, 40, 1)$ lies on line ℓ_{12}
613 : $P_{169497} = (24, 23, 40, 1)$ lies on line ℓ_6
614 : $P_{169653} = (52, 25, 40, 1)$ lies on line ℓ_8
615 : $P_{170416} = (47, 37, 40, 1)$ lies on line ℓ_{14}
616 : $P_{170647} = (22, 41, 40, 1)$ lies on line ℓ_{10}
617 : $P_{170666} = (41, 41, 40, 1)$ lies on line ℓ_1
618 : $P_{170902} = (21, 45, 40, 1)$ lies on line ℓ_{15}
619 : $P_{171133} = (60, 48, 40, 1)$ lies on line ℓ_9
620 : $P_{171427} = (34, 53, 40, 1)$ lies on line ℓ_7
621 : $P_{171754} = (41, 58, 40, 1)$ lies on line ℓ_{13}
622 : $P_{172097} = (0, 0, 41, 1)$ lies on line ℓ_0
623 : $P_{172198} = (37, 1, 41, 1)$ lies on line ℓ_{10}
624 : $P_{172329} = (40, 3, 41, 1)$ lies on line ℓ_{13}
625 : $P_{172709} = (36, 9, 41, 1)$ lies on line ℓ_3
626 : $P_{172752} = (15, 10, 41, 1)$ lies on line ℓ_2
627 : $P_{172900} = (35, 12, 41, 1)$ lies on line ℓ_6
628 : $P_{173124} = (3, 16, 41, 1)$ lies on line ℓ_{15}
629 : $P_{173552} = (47, 22, 41, 1)$ lies on line ℓ_9
630 : $P_{174085} = (4, 31, 41, 1)$ lies on line ℓ_5
631 : $P_{174697} = (40, 40, 41, 1)$ lies on line ℓ_1
632 : $P_{174825} = (40, 42, 41, 1)$ lies on line ℓ_{12}
633 : $P_{174912} = (63, 43, 41, 1)$ lies on line ℓ_7
634 : $P_{175061} = (20, 46, 41, 1)$ lies on line ℓ_{11}
635 : $P_{175815} = (6, 58, 41, 1)$ lies on line ℓ_8
636 : $P_{176193} = (0, 0, 42, 1)$ lies on line ℓ_0
637 : $P_{176428} = (43, 3, 42, 1)$ lies on line ℓ_{12}
638 : $P_{176639} = (62, 6, 42, 1)$ lies on line ℓ_3
639 : $P_{176793} = (24, 9, 42, 1)$ lies on line ℓ_7
640 : $P_{177195} = (42, 15, 42, 1)$ lies on line ℓ_2
641 : $P_{177746} = (17, 24, 42, 1)$ lies on line ℓ_{10}
642 : $P_{178075} = (26, 29, 42, 1)$ lies on line ℓ_9
643 : $P_{178320} = (15, 33, 42, 1)$ lies on line ℓ_6
644 : $P_{178860} = (43, 41, 42, 1)$ lies on line ℓ_{13}
645 : $P_{178878} = (61, 41, 42, 1)$ lies on line ℓ_5
646 : $P_{178988} = (43, 43, 42, 1)$ lies on line ℓ_1
647 : $P_{179027} = (18, 44, 42, 1)$ lies on line ℓ_4
648 : $P_{179288} = (23, 48, 42, 1)$ lies on line ℓ_{14}
649 : $P_{179412} = (19, 50, 42, 1)$ lies on line ℓ_{11}
650 : $P_{179706} = (57, 54, 42, 1)$ lies on line ℓ_{15}
651 : $P_{180210} = (49, 62, 42, 1)$ lies on line ℓ_8
652 : $P_{180289} = (0, 0, 43, 1)$ lies on line ℓ_0
653 : $P_{180504} = (23, 3, 43, 1)$ lies on line ℓ_3
654 : $P_{180940} = (11, 10, 43, 1)$ lies on line ℓ_{14}
655 : $P_{181040} = (47, 11, 43, 1)$ lies on line ℓ_{15}
656 : $P_{181079} = (22, 12, 43, 1)$ lies on line ℓ_2
657 : $P_{181355} = (42, 16, 43, 1)$ lies on line ℓ_{13}
658 : $P_{181766} = (5, 23, 43, 1)$ lies on line ℓ_7
659 : $P_{181938} = (49, 25, 43, 1)$ lies on line ℓ_{11}
660 : $P_{182148} = (3, 29, 43, 1)$ lies on line ℓ_8
661 : $P_{183019} = (42, 42, 43, 1)$ lies on line ℓ_1
662 : $P_{183395} = (34, 48, 43, 1)$ lies on line ℓ_{10}
663 : $P_{184053} = (52, 58, 43, 1)$ lies on line ℓ_6
664 : $P_{184074} = (9, 59, 43, 1)$ lies on line ℓ_9
665 : $P_{184206} = (13, 61, 43, 1)$ lies on line ℓ_4
666 : $P_{184385} = (0, 0, 44, 1)$ lies on line ℓ_0
667 : $P_{184706} = (1, 5, 44, 1)$ lies on line ℓ_2
668 : $P_{185054} = (29, 10, 44, 1)$ lies on line ℓ_{11}
669 : $P_{185106} = (17, 11, 44, 1)$ lies on line ℓ_9
670 : $P_{185407} = (62, 15, 44, 1)$ lies on line ℓ_{14}
671 : $P_{185931} = (10, 24, 44, 1)$ lies on line ℓ_3
672 : $P_{186103} = (54, 26, 44, 1)$ lies on line ℓ_6
673 : $P_{186157} = (44, 27, 44, 1)$ lies on line ℓ_{15}
674 : $P_{186222} = (45, 28, 44, 1)$ lies on line ℓ_{13}
675 : $P_{186735} = (46, 36, 44, 1)$ lies on line ℓ_5
676 : $P_{187097} = (24, 42, 44, 1)$ lies on line ℓ_{10}
677 : $P_{187186} = (49, 43, 44, 1)$ lies on line ℓ_4
678 : $P_{187256} = (55, 44, 44, 1)$ lies on line ℓ_7
679 : $P_{187310} = (45, 45, 44, 1)$ lies on line ℓ_1
680 : $P_{187502} = (45, 48, 44, 1)$ lies on line ℓ_{12}
681 : $P_{187903} = (62, 54, 44, 1)$ lies on line ℓ_8
682 : $P_{188481} = (0, 0, 45, 1)$ lies on line ℓ_0
683 : $P_{188558} = (13, 1, 45, 1)$ lies on line ℓ_6
684 : $P_{188652} = (43, 2, 45, 1)$ lies on line ℓ_{10}
685 : $P_{188926} = (61, 6, 45, 1)$ lies on line ℓ_2
686 : $P_{189037} = (44, 8, 45, 1)$ lies on line ℓ_{12}
687 : $P_{189837} = (12, 21, 45, 1)$ lies on line ℓ_8
688 : $P_{190372} = (35, 29, 45, 1)$ lies on line ℓ_3
689 : $P_{190656} = (63, 33, 45, 1)$ lies on line ℓ_{11}
690 : $P_{190893} = (44, 37, 45, 1)$ lies on line ℓ_{13}
691 : $P_{190971} = (58, 38, 45, 1)$ lies on line ℓ_{15}
692 : $P_{191341} = (44, 44, 45, 1)$ lies on line ℓ_1
693 : $P_{191363} = (2, 45, 45, 1)$ lies on line ℓ_9
694 : $P_{191723} = (42, 50, 45, 1)$ lies on line ℓ_7
695 : $P_{191907} = (34, 53, 45, 1)$ lies on line ℓ_{14}
696 : $P_{191994} = (57, 54, 45, 1)$ lies on line ℓ_5
697 : $P_{192239} = (46, 58, 45, 1)$ lies on line ℓ_4
698 : $P_{192793} = (24, 3, 46, 1)$ lies on line ℓ_2
699 : $P_{193168} = (15, 9, 46, 1)$ lies on line ℓ_4
700 : $P_{193584} = (47, 15, 46, 1)$ lies on line ℓ_{13}
701 : $P_{193614} = (13, 16, 46, 1)$ lies on line ℓ_7
702 : $P_{193724} = (59, 17, 46, 1)$ lies on line ℓ_8
703 : $P_{193786} = (57, 18, 46, 1)$ lies on line ℓ_3
704 : $P_{194247} = (6, 26, 46, 1)$ lies on line ℓ_{14}
705 : $P_{194336} = (31, 27, 46, 1)$ lies on line ℓ_{10}
706 : $P_{194736} = (47, 33, 46, 1)$ lies on line ℓ_{12}
707 : $P_{195064} = (55, 38, 46, 1)$ lies on line ℓ_9
708 : $P_{195426} = (33, 44, 46, 1)$ lies on line ℓ_6
709 : $P_{195632} = (47, 47, 46, 1)$ lies on line ℓ_1
710 : $P_{196537} = (56, 61, 46, 1)$ lies on line ℓ_{11}
711 : $P_{196673} = (0, 0, 47, 1)$ lies on line ℓ_0

712 : $P_{197585} = (16, 14, 47, 1)$ lies on line ℓ_7
713 : $P_{197848} = (23, 18, 47, 1)$ lies on line ℓ_5
714 : $P_{198107} = (26, 22, 47, 1)$ lies on line ℓ_{11}
715 : $P_{198161} = (16, 23, 47, 1)$ lies on line ℓ_3
716 : $P_{198225} = (16, 24, 47, 1)$ lies on line ℓ_4
717 : $P_{198319} = (46, 25, 47, 1)$ lies on line ℓ_{12}
718 : $P_{198747} = (26, 32, 47, 1)$ lies on line ℓ_{14}
719 : $P_{199663} = (46, 46, 47, 1)$ lies on line ℓ_1
720 : $P_{199882} = (9, 50, 47, 1)$ lies on line ℓ_8
721 : $P_{199981} = (44, 51, 47, 1)$ lies on line ℓ_{10}
722 : $P_{200175} = (46, 54, 47, 1)$ lies on line ℓ_{13}
723 : $P_{200219} = (26, 55, 47, 1)$ lies on line ℓ_6
724 : $P_{200599} = (22, 61, 47, 1)$ lies on line ℓ_{15}
725 : $P_{200769} = (0, 0, 48, 1)$ lies on line ℓ_0
726 : $P_{200958} = (61, 2, 48, 1)$ lies on line ℓ_7
727 : $P_{201361} = (16, 9, 48, 1)$ lies on line ℓ_9
728 : $P_{201924} = (3, 18, 48, 1)$ lies on line ℓ_4
729 : $P_{202144} = (31, 21, 48, 1)$ lies on line ℓ_3
730 : $P_{202537} = (40, 27, 48, 1)$ lies on line ℓ_{14}
731 : $P_{202610} = (49, 28, 48, 1)$ lies on line ℓ_{12}
732 : $P_{202941} = (60, 33, 48, 1)$ lies on line ℓ_2
733 : $P_{203059} = (50, 35, 48, 1)$ lies on line ℓ_{10}
734 : $P_{203279} = (14, 39, 48, 1)$ lies on line ℓ_{11}
735 : $P_{203634} = (49, 44, 48, 1)$ lies on line ℓ_{13}
736 : $P_{203954} = (49, 49, 48, 1)$ lies on line ℓ_1
737 : $P_{204425} = (8, 57, 48, 1)$ lies on line ℓ_8
738 : $P_{204513} = (32, 58, 48, 1)$ lies on line ℓ_{15}
739 : $P_{204865} = (0, 0, 49, 1)$ lies on line ℓ_0
740 : $P_{205085} = (28, 3, 49, 1)$ lies on line ℓ_4
741 : $P_{205367} = (54, 7, 49, 1)$ lies on line ℓ_{15}
742 : $P_{205570} = (1, 11, 49, 1)$ lies on line ℓ_{10}
743 : $P_{205677} = (44, 12, 49, 1)$ lies on line ℓ_{11}
744 : $P_{205943} = (54, 16, 49, 1)$ lies on line ℓ_3
745 : $P_{206257} = (48, 21, 49, 1)$ lies on line ℓ_{13}
746 : $P_{206587} = (58, 26, 49, 1)$ lies on line ℓ_8
747 : $P_{206689} = (32, 28, 49, 1)$ lies on line ℓ_7
748 : $P_{207029} = (52, 33, 49, 1)$ lies on line ℓ_{14}
749 : $P_{207041} = (0, 34, 49, 1)$ lies on line ℓ_2
750 : $P_{207046} = (5, 34, 49, 1)$ lies on line ℓ_6
751 : $P_{207217} = (48, 36, 49, 1)$ lies on line ℓ_{12}
752 : $P_{207658} = (41, 43, 49, 1)$ lies on line ℓ_5
753 : $P_{207876} = (3, 47, 49, 1)$ lies on line ℓ_9
754 : $P_{207985} = (48, 48, 49, 1)$ lies on line ℓ_1
755 : $P_{208961} = (0, 0, 50, 1)$ lies on line ℓ_0
756 : $P_{209844} = (51, 13, 50, 1)$ lies on line ℓ_{12}
757 : $P_{209873} = (16, 14, 50, 1)$ lies on line ℓ_{14}
758 : $P_{209962} = (41, 15, 50, 1)$ lies on line ℓ_6
759 : $P_{210028} = (43, 16, 50, 1)$ lies on line ℓ_{11}
760 : $P_{210166} = (53, 18, 50, 1)$ lies on line ℓ_{10}
761 : $P_{210833} = (16, 29, 50, 1)$ lies on line ℓ_5
762 : $P_{210894} = (13, 30, 50, 1)$ lies on line ℓ_8
763 : $P_{210989} = (44, 31, 50, 1)$ lies on line ℓ_3
764 : $P_{211085} = (12, 33, 50, 1)$ lies on line ℓ_{15}
765 : $P_{211319} = (54, 36, 50, 1)$ lies on line ℓ_9
766 : $P_{211494} = (37, 39, 50, 1)$ lies on line ℓ_2
767 : $P_{212094} = (61, 48, 50, 1)$ lies on line ℓ_4
768 : $P_{212276} = (51, 51, 50, 1)$ lies on line ℓ_1
769 : $P_{212936} = (7, 62, 50, 1)$ lies on line ℓ_7
770 : $P_{213044} = (51, 63, 50, 1)$ lies on line ℓ_{13}
771 : $P_{213057} = (0, 0, 51, 1)$ lies on line ℓ_0
772 : $P_{213222} = (37, 2, 51, 1)$ lies on line ℓ_9
773 : $P_{213491} = (50, 6, 51, 1)$ lies on line ℓ_{13}
774 : $P_{214024} = (7, 15, 51, 1)$ lies on line ℓ_5
775 : $P_{214355} = (18, 20, 51, 1)$ lies on line ℓ_6
776 : $P_{214726} = (5, 26, 51, 1)$ lies on line ℓ_3
777 : $P_{214875} = (26, 28, 51, 1)$ lies on line ℓ_{15}
778 : $P_{215131} = (26, 32, 51, 1)$ lies on line ℓ_7
779 : $P_{215203} = (34, 33, 51, 1)$ lies on line ℓ_4
780 : $P_{215386} = (25, 36, 51, 1)$ lies on line ℓ_2
781 : $P_{216307} = (50, 50, 51, 1)$ lies on line ℓ_1
782 : $P_{216397} = (12, 52, 51, 1)$ lies on line ℓ_{14}
783 : $P_{216499} = (50, 53, 51, 1)$ lies on line ℓ_{12}
784 : $P_{216775} = (6, 58, 51, 1)$ lies on line ℓ_{10}
785 : $P_{216842} = (9, 59, 51, 1)$ lies on line ℓ_{11}
786 : $P_{217024} = (63, 61, 51, 1)$ lies on line ℓ_8
787 : $P_{217153} = (0, 0, 52, 1)$ lies on line ℓ_0
788 : $P_{217241} = (24, 1, 52, 1)$ lies on line ℓ_3
789 : $P_{217846} = (53, 10, 52, 1)$ lies on line ℓ_{13}
790 : $P_{217946} = (25, 12, 52, 1)$ lies on line ℓ_{15}
791 : $P_{218180} = (3, 16, 52, 1)$ lies on line ℓ_5
792 : $P_{218563} = (2, 22, 52, 1)$ lies on line ℓ_8
793 : $P_{218921} = (40, 27, 52, 1)$ lies on line ℓ_7
794 : $P_{219261} = (60, 32, 52, 1)$ lies on line ℓ_{10}
795 : $P_{219750} = (37, 40, 52, 1)$ lies on line ℓ_{11}
796 : $P_{220047} = (14, 45, 52, 1)$ lies on line ℓ_2
797 : $P_{220346} = (57, 49, 52, 1)$ lies on line ℓ_{14}
798 : $P_{220414} = (61, 50, 52, 1)$ lies on line ℓ_9
799 : $P_{220497} = (16, 52, 52, 1)$ lies on line ℓ_6
800 : $P_{220598} = (53, 53, 52, 1)$ lies on line ℓ_1
801 : $P_{220703} = (30, 55, 52, 1)$ lies on line ℓ_4
802 : $P_{221174} = (53, 62, 52, 1)$ lies on line ℓ_{12}
803 : $P_{221249} = (0, 0, 53, 1)$ lies on line ℓ_0
804 : $P_{221397} = (20, 2, 53, 1)$ lies on line ℓ_5
805 : $P_{221448} = (7, 3, 53, 1)$ lies on line ℓ_{11}
806 : $P_{221554} = (49, 4, 53, 1)$ lies on line ℓ_3
807 : $P_{221622} = (53, 5, 53, 1)$ lies on line ℓ_7
808 : $P_{221685} = (52, 6, 53, 1)$ lies on line ℓ_{12}
809 : $P_{221776} = (15, 8, 53, 1)$ lies on line ℓ_{10}
810 : $P_{221990} = (37, 11, 53, 1)$ lies on line ℓ_{14}
811 : $P_{222575} = (46, 20, 53, 1)$ lies on line ℓ_9
812 : $P_{223682} = (1, 38, 53, 1)$ lies on line ℓ_4
813 : $P_{224243} = (50, 46, 53, 1)$ lies on line ℓ_2
814 : $P_{224300} = (43, 47, 53, 1)$ lies on line ℓ_6
815 : $P_{224400} = (15, 49, 53, 1)$ lies on line ℓ_{15}
816 : $P_{224565} = (52, 51, 53, 1)$ lies on line ℓ_{13}
817 : $P_{224629} = (52, 52, 53, 1)$ lies on line ℓ_1
818 : $P_{224689} = (48, 53, 53, 1)$ lies on line ℓ_8
819 : $P_{225345} = (0, 0, 54, 1)$ lies on line ℓ_0

820 : $P_{225480} = (7, 2, 54, 1)$ lies on line ℓ_6
821 : $P_{226092} = (43, 11, 54, 1)$ lies on line ℓ_3
822 : $P_{226492} = (59, 17, 54, 1)$ lies on line ℓ_{10}
823 : $P_{226721} = (32, 21, 54, 1)$ lies on line ℓ_4
824 : $P_{226870} = (53, 23, 54, 1)$ lies on line ℓ_{15}
825 : $P_{227000} = (55, 25, 54, 1)$ lies on line ℓ_{13}
826 : $P_{227329} = (0, 31, 54, 1)$ lies on line ℓ_{11}
827 : $P_{227356} = (27, 31, 54, 1)$ lies on line ℓ_9
828 : $P_{227650} = (1, 36, 54, 1)$ lies on line ℓ_{14}
829 : $P_{227859} = (18, 39, 54, 1)$ lies on line ℓ_7
830 : $P_{228120} = (23, 43, 54, 1)$ lies on line ℓ_2
831 : $P_{228408} = (55, 47, 54, 1)$ lies on line ℓ_{12}
832 : $P_{228488} = (7, 49, 54, 1)$ lies on line ℓ_8
833 : $P_{228718} = (45, 52, 54, 1)$ lies on line ℓ_5
834 : $P_{228920} = (55, 55, 54, 1)$ lies on line ℓ_1
835 : $P_{229441} = (0, 0, 55, 1)$ lies on line ℓ_0
836 : $P_{229760} = (63, 4, 55, 1)$ lies on line ℓ_4
837 : $P_{230339} = (2, 14, 55, 1)$ lies on line ℓ_3
838 : $P_{230646} = (53, 18, 55, 1)$ lies on line ℓ_8
839 : $P_{230967} = (54, 23, 55, 1)$ lies on line ℓ_{12}
840 : $P_{231101} = (60, 25, 55, 1)$ lies on line ℓ_6
841 : $P_{231390} = (29, 30, 55, 1)$ lies on line ℓ_{14}
842 : $P_{231543} = (54, 32, 55, 1)$ lies on line ℓ_{13}
843 : $P_{231931} = (58, 38, 55, 1)$ lies on line ℓ_5
844 : $P_{232044} = (43, 40, 55, 1)$ lies on line ℓ_2
845 : $P_{232164} = (35, 42, 55, 1)$ lies on line ℓ_{15}
846 : $P_{232803} = (34, 52, 55, 1)$ lies on line ℓ_{11}
847 : $P_{232951} = (54, 54, 55, 1)$ lies on line ℓ_1
848 : $P_{233104} = (15, 57, 55, 1)$ lies on line ℓ_7
849 : $P_{233537} = (0, 0, 56, 1)$ lies on line ℓ_0
850 : $P_{233658} = (57, 1, 56, 1)$ lies on line ℓ_{13}
851 : $P_{233949} = (28, 6, 56, 1)$ lies on line ℓ_8
852 : $P_{234214} = (37, 10, 56, 1)$ lies on line ℓ_5
853 : $P_{235500} = (43, 30, 56, 1)$ lies on line ℓ_9
854 : $P_{235780} = (3, 35, 56, 1)$ lies on line ℓ_6
855 : $P_{235951} = (46, 37, 56, 1)$ lies on line ℓ_{10}
856 : $P_{236491} = (10, 46, 56, 1)$ lies on line ℓ_{14}
857 : $P_{236632} = (23, 48, 56, 1)$ lies on line ℓ_7
858 : $P_{237108} = (51, 55, 56, 1)$ lies on line ℓ_{15}
859 : $P_{237458} = (17, 61, 56, 1)$ lies on line ℓ_3
860 : $P_{237633} = (0, 0, 57, 1)$ lies on line ℓ_0
861 : $P_{237753} = (56, 1, 57, 1)$ lies on line ℓ_{12}
862 : $P_{238310} = (37, 10, 57, 1)$ lies on line ℓ_{15}
863 : $P_{238494} = (29, 13, 57, 1)$ lies on line ℓ_{10}
864 : $P_{238812} = (27, 18, 57, 1)$ lies on line ℓ_{11}
865 : $P_{238935} = (22, 20, 57, 1)$ lies on line ℓ_{14}
866 : $P_{239219} = (50, 24, 57, 1)$ lies on line ℓ_5
867 : $P_{240047} = (46, 37, 57, 1)$ lies on line ℓ_8
868 : $P_{240231} = (38, 40, 57, 1)$ lies on line ℓ_4
869 : $P_{240587} = (10, 46, 57, 1)$ lies on line ℓ_7
870 : $P_{241350} = (5, 58, 57, 1)$ lies on line ℓ_2
871 : $P_{241729} = (0, 0, 58, 1)$ lies on line ℓ_0
872 : $P_{242542} = (45, 12, 58, 1)$ lies on line ℓ_7
873 : $P_{242653} = (28, 14, 58, 1)$ lies on line ℓ_{11}
874 : $P_{242940} = (59, 18, 58, 1)$ lies on line ℓ_{13}
875 : $P_{243050} = (41, 20, 58, 1)$ lies on line ℓ_{10}
876 : $P_{243093} = (20, 21, 58, 1)$ lies on line ℓ_6
877 : $P_{243464} = (7, 27, 58, 1)$ lies on line ℓ_4
878 : $P_{243866} = (25, 33, 58, 1)$ lies on line ℓ_8
879 : $P_{244348} = (59, 40, 58, 1)$ lies on line ℓ_{12}
880 : $P_{244576} = (31, 44, 58, 1)$ lies on line ℓ_{15}
881 : $P_{244684} = (11, 46, 58, 1)$ lies on line ℓ_5
882 : $P_{245006} = (13, 51, 58, 1)$ lies on line ℓ_9
883 : $P_{245283} = (34, 55, 58, 1)$ lies on line ℓ_3
884 : $P_{245555} = (50, 59, 58, 1)$ lies on line ℓ_{14}
885 : $P_{245564} = (59, 59, 58, 1)$ lies on line ℓ_1
886 : $P_{245793} = (32, 63, 58, 1)$ lies on line ℓ_2
887 : $P_{245825} = (0, 0, 59, 1)$ lies on line ℓ_0
888 : $P_{245935} = (46, 1, 59, 1)$ lies on line ℓ_{14}
889 : $P_{245996} = (43, 2, 59, 1)$ lies on line ℓ_8
890 : $P_{246489} = (24, 10, 59, 1)$ lies on line ℓ_4
891 : $P_{246768} = (47, 14, 59, 1)$ lies on line ℓ_6
892 : $P_{246907} = (58, 16, 59, 1)$ lies on line ℓ_{12}
893 : $P_{246922} = (9, 17, 59, 1)$ lies on line ℓ_{15}
894 : $P_{247025} = (48, 18, 59, 1)$ lies on line ℓ_7
895 : $P_{247199} = (30, 21, 59, 1)$ lies on line ℓ_9
896 : $P_{248255} = (62, 37, 59, 1)$ lies on line ℓ_{11}
897 : $P_{248635} = (58, 43, 59, 1)$ lies on line ℓ_{13}
898 : $P_{249036} = (11, 50, 59, 1)$ lies on line ℓ_3
899 : $P_{249595} = (58, 58, 59, 1)$ lies on line ℓ_1
900 : $P_{249691} = (26, 60, 59, 1)$ lies on line ℓ_{10}
901 : $P_{249921} = (0, 0, 60, 1)$ lies on line ℓ_0
902 : $P_{249995} = (10, 1, 60, 1)$ lies on line ℓ_{15}
903 : $P_{250204} = (27, 4, 60, 1)$ lies on line ℓ_{14}
904 : $P_{251710} = (61, 27, 60, 1)$ lies on line ℓ_{12}
905 : $P_{251749} = (36, 28, 60, 1)$ lies on line ℓ_4
906 : $P_{252185} = (24, 35, 60, 1)$ lies on line ℓ_5
907 : $P_{252295} = (6, 37, 60, 1)$ lies on line ℓ_9
908 : $P_{252385} = (32, 38, 60, 1)$ lies on line ℓ_{10}
909 : $P_{252478} = (61, 39, 60, 1)$ lies on line ℓ_{13}
910 : $P_{252547} = (2, 41, 60, 1)$ lies on line ℓ_7
911 : $P_{252910} = (45, 46, 60, 1)$ lies on line ℓ_6
912 : $P_{253324} = (11, 53, 60, 1)$ lies on line ℓ_2
913 : $P_{253395} = (18, 54, 60, 1)$ lies on line ℓ_{11}
914 : $P_{253886} = (61, 61, 60, 1)$ lies on line ℓ_1
915 : $P_{254017} = (0, 0, 61, 1)$ lies on line ℓ_0
916 : $P_{254230} = (21, 3, 61, 1)$ lies on line ℓ_9
917 : $P_{254693} = (36, 10, 61, 1)$ lies on line ℓ_8
918 : $P_{254908} = (59, 13, 61, 1)$ lies on line ℓ_4
919 : $P_{254932} = (19, 14, 61, 1)$ lies on line ℓ_{10}
920 : $P_{255921} = (48, 29, 61, 1)$ lies on line ℓ_{11}
921 : $P_{255997} = (60, 30, 61, 1)$ lies on line ℓ_{13}
922 : $P_{256317} = (60, 35, 61, 1)$ lies on line ℓ_{12}
923 : $P_{256896} = (63, 44, 61, 1)$ lies on line ℓ_3
924 : $P_{257168} = (15, 49, 61, 1)$ lies on line ℓ_5
925 : $P_{257431} = (22, 53, 61, 1)$ lies on line ℓ_6
926 : $P_{257528} = (55, 54, 61, 1)$ lies on line ℓ_2
927 : $P_{257568} = (31, 55, 61, 1)$ lies on line ℓ_7

928 : $P_{257885} = (28, 60, 61, 1)$ lies on line ℓ_{15}
929 : $P_{257917} = (60, 60, 61, 1)$ lies on line ℓ_1
930 : $P_{257992} = (7, 62, 61, 1)$ lies on line ℓ_{14}
931 : $P_{258113} = (0, 0, 62, 1)$ lies on line ℓ_0
932 : $P_{258232} = (55, 1, 62, 1)$ lies on line ℓ_{11}
933 : $P_{258615} = (54, 7, 62, 1)$ lies on line ℓ_5
934 : $P_{258657} = (32, 8, 62, 1)$ lies on line ℓ_9
935 : $P_{258816} = (63, 10, 62, 1)$ lies on line ℓ_{12}
936 : $P_{259028} = (19, 14, 62, 1)$ lies on line ℓ_8
937 : $P_{259236} = (35, 17, 62, 1)$ lies on line ℓ_{14}
938 : $P_{259513} = (56, 21, 62, 1)$ lies on line ℓ_7
939 : $P_{259624} = (39, 23, 62, 1)$ lies on line ℓ_{10}
940 : $P_{259707} = (58, 24, 62, 1)$ lies on line ℓ_6
941 : $P_{259815} = (38, 26, 62, 1)$ lies on line ℓ_{15}
942 : $P_{260390} = (37, 35, 62, 1)$ lies on line ℓ_3
943 : $P_{261395} = (18, 51, 62, 1)$ lies on line ℓ_2
944 : $P_{261504} = (63, 52, 62, 1)$ lies on line ℓ_{13}
945 : $P_{262107} = (26, 62, 62, 1)$ lies on line ℓ_4
946 : $P_{262208} = (63, 63, 62, 1)$ lies on line ℓ_1
947 : $P_{262209} = (0, 0, 63, 1)$ lies on line ℓ_0
948 : $P_{262402} = (1, 3, 63, 1)$ lies on line ℓ_6
949 : $P_{262950} = (37, 11, 63, 1)$ lies on line ℓ_7
950 : $P_{263103} = (62, 13, 63, 1)$ lies on line ℓ_{13}
951 : $P_{263586} = (33, 21, 63, 1)$ lies on line ℓ_5
952 : $P_{264653} = (12, 38, 63, 1)$ lies on line ℓ_3
953 : $P_{264753} = (48, 39, 63, 1)$ lies on line ℓ_{15}
954 : $P_{264918} = (21, 42, 63, 1)$ lies on line ℓ_{11}
955 : $P_{265024} = (63, 43, 63, 1)$ lies on line ℓ_{14}
956 : $P_{265122} = (33, 45, 63, 1)$ lies on line ℓ_8
957 : $P_{265204} = (51, 46, 63, 1)$ lies on line ℓ_9
958 : $P_{265222} = (5, 47, 63, 1)$ lies on line ℓ_4
959 : $P_{265327} = (46, 48, 63, 1)$ lies on line ℓ_2
960 : $P_{265471} = (62, 50, 63, 1)$ lies on line ℓ_{12}
961 : $P_{266239} = (62, 62, 63, 1)$ lies on line ℓ_1
962 : $P_{266261} = (20, 63, 63, 1)$ lies on line ℓ_{10}

The single points on the surface are:

Points on surface but on no line

The surface has 3420 points not on any line:
Too many to print.

Line Intersection Graph

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0	0	1	0	0	0	1	0	1	1	0	1	0	0	0	1	1
1	1	0	1	1	1	0	1	0	0	1	0	1	1	1	0	0
2	0	1	0	0	1	1	0	1	1	1	0	1	1	0	0	0
3	0	1	0	0	0	1	1	0	1	1	0	1	0	1	1	0
4	0	1	1	0	0	0	1	0	1	0	0	1	1	0	1	1
5	1	0	1	1	0	0	1	0	0	0	0	0	1	0	0	1
6	0	1	0	1	1	1	0	1	0	1	1	0	0	1	0	0
7	1	0	1	0	0	0	1	0	0	0	0	1	0	1	1	0
8	1	0	1	1	1	0	0	0	0	0	1	0	0	1	0	0
9	0	1	1	1	0	0	1	0	0	0	1	0	0	1	1	1
10	1	0	0	0	0	0	1	0	1	1	0	1	1	0	0	0
11	0	1	1	1	1	0	0	1	0	0	1	0	1	0	0	1
12	0	1	1	0	1	1	0	0	0	0	1	1	0	1	1	0
13	0	1	0	1	0	0	1	1	1	1	0	0	1	0	0	1
14	1	0	0	1	1	0	0	1	0	1	0	0	1	0	0	0
15	1	0	0	0	1	1	0	0	0	1	0	1	0	1	0	0

Neighbor sets in the line intersection graph:
Line 0 intersects

Line	ℓ_1	ℓ_5	ℓ_7	ℓ_8	ℓ_{10}	ℓ_{14}	ℓ_{15}
in point	P_{8258}	P_{192577}	P_{155713}	P_{45121}	P_{45121}	P_{155713}	P_{192577}

Line 1 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_6	ℓ_9	ℓ_{11}	ℓ_{12}	ℓ_{13}
in point	P_{8258}	P_{237242}	P_{241273}	P_{237242}	P_{241273}	P_{241273}	P_{237242}	P_{237242}	P_{241273}

Line 2 intersects

Line	ℓ_1	ℓ_4	ℓ_5	ℓ_7	ℓ_8	ℓ_9	ℓ_{11}	ℓ_{12}
in point	P_{237242}	P_{237242}	P_{249693}	P_{9503}	P_{106094}	P_{196709}	P_{237242}	P_{237242}

Line 3 intersects

Line	ℓ_1	ℓ_5	ℓ_6	ℓ_8	ℓ_9	ℓ_{11}	ℓ_{13}	ℓ_{14}
in point	P_{241273}	P_{10451}	P_{241273}	P_{252567}	P_{241273}	P_{49264}	P_{241273}	P_{32400}

Line 4 intersects

Line	ℓ_1	ℓ_2	ℓ_6	ℓ_8	ℓ_{11}	ℓ_{12}	ℓ_{14}	ℓ_{15}
in point	P_{237242}	P_{237242}	P_{151628}	P_{12068}	P_{237242}	P_{237242}	P_{174132}	P_{89717}

Line 5 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_6	ℓ_{12}	ℓ_{15}
in point	P_{192577}	P_{249693}	P_{10451}	P_{204479}	P_{184107}	P_{192577}

Line 6 intersects

Line	ℓ_1	ℓ_3	ℓ_4	ℓ_5	ℓ_7	ℓ_9	ℓ_{10}	ℓ_{13}
in point	P_{241273}	P_{241273}	P_{151628}	P_{204479}	P_{147251}	P_{241273}	P_{10281}	P_{241273}

Line 7 intersects

Line	ℓ_0	ℓ_2	ℓ_6	ℓ_{11}	ℓ_{13}	ℓ_{14}
in point	P_{155713}	P_{9503}	P_{147251}	P_{61026}	P_{162024}	P_{155713}

Line 8 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_{10}	ℓ_{13}
in point	P_{45121}	P_{106094}	P_{252567}	P_{12068}	P_{45121}	P_{118619}

Line 9 intersects

Line	ℓ_1	ℓ_2	ℓ_3	ℓ_6	ℓ_{10}	ℓ_{13}	ℓ_{14}	ℓ_{15}
in point	P_{241273}	P_{196709}	P_{241273}	P_{241273}	P_{233097}	P_{241273}	P_{12155}	P_{132382}

Line 10 intersects

Line	ℓ_0	ℓ_6	ℓ_8	ℓ_9	ℓ_{11}	ℓ_{12}
in point	P_{45121}	P_{10281}	P_{45121}	P_{233097}	P_{84184}	P_{75025}

Line 11 intersects

Line	ℓ_1	ℓ_2	ℓ_3	ℓ_4	ℓ_7	ℓ_{10}	ℓ_{12}	ℓ_{15}
in point	P_{237242}	P_{237242}	P_{49264}	P_{237242}	P_{61026}	P_{84184}	P_{237242}	P_{10942}

Line 12 intersects

Line	ℓ_1	ℓ_2	ℓ_4	ℓ_5	ℓ_{10}	ℓ_{11}	ℓ_{13}	ℓ_{14}
in point	P_{237242}	P_{237242}	P_{237242}	P_{184107}	P_{75025}	P_{237242}	P_{4163}	P_{19075}

Line 13 intersects

Line	ℓ_1	ℓ_3	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{12}	ℓ_{15}
in point	P_{241273}	P_{241273}	P_{241273}	P_{162024}	P_{118619}	P_{241273}	P_{4163}	P_{26629}

Line 14 intersects

Line	ℓ_0	ℓ_3	ℓ_4	ℓ_7	ℓ_9	ℓ_{12}
in point	P_{155713}	P_{32400}	P_{174132}	P_{155713}	P_{12155}	P_{19075}

Line 15 intersects

Line	ℓ_0	ℓ_4	ℓ_5	ℓ_9	ℓ_{11}	ℓ_{13}
in point	P_{192577}	P_{89717}	P_{192577}	P_{132382}	P_{10942}	P_{26629}

The surface has 4417 points:
Too many to print.