

Rank-65831 over GF(8)

January 15, 2021

The equation

The equation of the surface is :

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

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

The point rank of the equation over GF(8) is 1243943565

General information

| | |
|----------------------------|----------------------|
| Number of lines | 82 |
| Number of points | 145 |
| Number of singular points | 1 |
| Number of Eckardt points | 0 |
| Number of double points | 0 |
| Number of single points | 72 |
| Number of points off lines | 0 |
| Number of Hesse planes | 0 |
| Number of axes | 0 |
| Type of points on lines | 9^{82} |
| Type of lines on points | $18, 9^{72}, 1^{72}$ |

Singular Points

The surface has 1 singular points:

$$0 : P_3 = \mathbf{P}(0, 0, 0, 1) = \mathbf{P}(0, 0, 0, 1)$$

The 82 Lines

The lines and their Pluecker coordinates are:

$$\ell_0 = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \end{bmatrix}_0 = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \end{bmatrix}_0 = \mathbf{Pl}(1, 0, 0, 0, 0, 0)_0$$

$$\begin{aligned}
\ell_1 &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{72} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{72} = \mathbf{Pl}(0, 0, 0, 0, 1, 0)_{81} \\
\ell_2 &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 1 \end{bmatrix}_8 = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 1 \end{bmatrix}_8 = \mathbf{Pl}(1, 0, 0, 0, 1, 0)_{82} \\
\ell_3 &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & \gamma^6 \end{bmatrix}_{48} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 6 \end{bmatrix}_{48} = \mathbf{Pl}(2, 0, 0, 0, 1, 0)_{83} \\
\ell_4 &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & \gamma^2 \end{bmatrix}_{32} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 4 \end{bmatrix}_{32} = \mathbf{Pl}(3, 0, 0, 0, 1, 0)_{84} \\
\ell_5 &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & \gamma^5 \end{bmatrix}_{24} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 3 \end{bmatrix}_{24} = \mathbf{Pl}(4, 0, 0, 0, 1, 0)_{85} \\
\ell_6 &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & \gamma^4 \end{bmatrix}_{56} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 7 \end{bmatrix}_{56} = \mathbf{Pl}(5, 0, 0, 0, 1, 0)_{86} \\
\ell_7 &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & \gamma \end{bmatrix}_{16} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 2 \end{bmatrix}_{16} = \mathbf{Pl}(6, 0, 0, 0, 1, 0)_{87} \\
\ell_8 &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & \gamma^3 \end{bmatrix}_{40} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 5 \end{bmatrix}_{40} = \mathbf{Pl}(7, 0, 0, 0, 1, 0)_{88} \\
\ell_9 &= \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4680} = \begin{bmatrix} 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4680} = \mathbf{Pl}(0, 0, 0, 1, 0, 0)_{17} \\
\ell_{10} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 \end{bmatrix}_{584} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 \end{bmatrix}_{584} = \mathbf{Pl}(1, 0, 0, 1, 0, 0)_{18} \\
\ell_{11} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^6 \\ 0 & 1 & 0 & 0 \end{bmatrix}_{3504} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 0 & 0 \end{bmatrix}_{3504} = \mathbf{Pl}(2, 0, 0, 1, 0, 0)_{19} \\
\ell_{12} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^2 \\ 0 & 1 & 0 & 0 \end{bmatrix}_{2336} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 0 & 0 \end{bmatrix}_{2336} = \mathbf{Pl}(3, 0, 0, 1, 0, 0)_{20} \\
\ell_{13} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^5 \\ 0 & 1 & 0 & 0 \end{bmatrix}_{1752} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 0 & 0 \end{bmatrix}_{1752} = \mathbf{Pl}(4, 0, 0, 1, 0, 0)_{21} \\
\ell_{14} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^4 \\ 0 & 1 & 0 & 0 \end{bmatrix}_{4088} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 0 & 0 \end{bmatrix}_{4088} = \mathbf{Pl}(5, 0, 0, 1, 0, 0)_{22} \\
\ell_{15} &= \begin{bmatrix} 1 & 0 & 0 & \gamma \\ 0 & 1 & 0 & 0 \end{bmatrix}_{1168} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 0 & 0 \end{bmatrix}_{1168} = \mathbf{Pl}(6, 0, 0, 1, 0, 0)_{23} \\
\ell_{16} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^3 \\ 0 & 1 & 0 & 0 \end{bmatrix}_{2920} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 0 & 0 \end{bmatrix}_{2920} = \mathbf{Pl}(7, 0, 0, 1, 0, 0)_{24} \\
\ell_{17} &= \begin{bmatrix} 1 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{145} = \begin{bmatrix} 1 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{145} = \mathbf{Pl}(0, 0, 0, 1, 1, 0)_{201} \\
\ell_{18} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & 1 \end{bmatrix}_{592} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & 1 \end{bmatrix}_{592} = \mathbf{Pl}(1, 0, 0, 1, 1, 0)_{202} \\
\ell_{19} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^6 \\ 0 & 1 & 0 & \gamma^6 \end{bmatrix}_{3552} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 0 & 6 \end{bmatrix}_{3552} = \mathbf{Pl}(2, 0, 0, 1, 1, 0)_{203} \\
\ell_{20} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^2 \\ 0 & 1 & 0 & \gamma^2 \end{bmatrix}_{2368} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 0 & 4 \end{bmatrix}_{2368} = \mathbf{Pl}(3, 0, 0, 1, 1, 0)_{204} \\
\ell_{21} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^5 \\ 0 & 1 & 0 & \gamma^5 \end{bmatrix}_{1776} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 0 & 3 \end{bmatrix}_{1776} = \mathbf{Pl}(4, 0, 0, 1, 1, 0)_{205}
\end{aligned}$$

$$\begin{aligned}
\ell_{22} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^4 \\ 0 & 1 & 0 & \gamma^4 \end{bmatrix}_{4144} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 0 & 7 \end{bmatrix}_{4144} = \mathbf{Pl}(5, 0, 0, 1, 1, 0)_{206} \\
\ell_{23} &= \begin{bmatrix} 1 & 0 & 0 & \gamma \\ 0 & 1 & 0 & \gamma \end{bmatrix}_{1184} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 0 & 2 \end{bmatrix}_{1184} = \mathbf{Pl}(6, 0, 0, 1, 1, 0)_{207} \\
\ell_{24} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^3 \\ 0 & 1 & 0 & \gamma^3 \end{bmatrix}_{2960} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 0 & 5 \end{bmatrix}_{2960} = \mathbf{Pl}(7, 0, 0, 1, 1, 0)_{208} \\
\ell_{25} &= \begin{bmatrix} 1 & \gamma^6 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{510} = \begin{bmatrix} 1 & 6 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{510} = \mathbf{Pl}(0, 0, 0, 6, 1, 0)_{276} \\
\ell_{26} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & \gamma \end{bmatrix}_{600} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & 2 \end{bmatrix}_{600} = \mathbf{Pl}(6, 0, 0, 6, 1, 0)_{282} \\
\ell_{27} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^6 \\ 0 & 1 & 0 & 1 \end{bmatrix}_{3512} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 0 & 1 \end{bmatrix}_{3512} = \mathbf{Pl}(1, 0, 0, 6, 1, 0)_{277} \\
\ell_{28} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^2 \\ 0 & 1 & 0 & \gamma^3 \end{bmatrix}_{2376} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 0 & 5 \end{bmatrix}_{2376} = \mathbf{Pl}(7, 0, 0, 6, 1, 0)_{283} \\
\ell_{29} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^5 \\ 0 & 1 & 0 & \gamma^6 \end{bmatrix}_{1800} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 0 & 6 \end{bmatrix}_{1800} = \mathbf{Pl}(2, 0, 0, 6, 1, 0)_{278} \\
\ell_{30} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^4 \\ 0 & 1 & 0 & \gamma^5 \end{bmatrix}_{4112} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 0 & 3 \end{bmatrix}_{4112} = \mathbf{Pl}(4, 0, 0, 6, 1, 0)_{280} \\
\ell_{31} &= \begin{bmatrix} 1 & 0 & 0 & \gamma \\ 0 & 1 & 0 & \gamma^2 \end{bmatrix}_{1200} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 0 & 4 \end{bmatrix}_{1200} = \mathbf{Pl}(3, 0, 0, 6, 1, 0)_{279} \\
\ell_{32} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^3 \\ 0 & 1 & 0 & \gamma^4 \end{bmatrix}_{2976} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 0 & 7 \end{bmatrix}_{2976} = \mathbf{Pl}(5, 0, 0, 6, 1, 0)_{281} \\
\ell_{33} &= \begin{bmatrix} 1 & \gamma^2 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{364} = \begin{bmatrix} 1 & 4 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{364} = \mathbf{Pl}(0, 0, 0, 4, 1, 0)_{246} \\
\ell_{34} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & \gamma^5 \end{bmatrix}_{608} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & 3 \end{bmatrix}_{608} = \mathbf{Pl}(4, 0, 0, 4, 1, 0)_{250} \\
\ell_{35} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^6 \\ 0 & 1 & 0 & \gamma^4 \end{bmatrix}_{3560} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 0 & 7 \end{bmatrix}_{3560} = \mathbf{Pl}(5, 0, 0, 4, 1, 0)_{251} \\
\ell_{36} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^2 \\ 0 & 1 & 0 & 1 \end{bmatrix}_{2344} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 0 & 1 \end{bmatrix}_{2344} = \mathbf{Pl}(1, 0, 0, 4, 1, 0)_{247} \\
\ell_{37} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^5 \\ 0 & 1 & 0 & \gamma^3 \end{bmatrix}_{1792} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 0 & 5 \end{bmatrix}_{1792} = \mathbf{Pl}(7, 0, 0, 4, 1, 0)_{253} \\
\ell_{38} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^4 \\ 0 & 1 & 0 & \gamma^2 \end{bmatrix}_{4120} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 0 & 4 \end{bmatrix}_{4120} = \mathbf{Pl}(3, 0, 0, 4, 1, 0)_{249} \\
\ell_{39} &= \begin{bmatrix} 1 & 0 & 0 & \gamma \\ 0 & 1 & 0 & \gamma^6 \end{bmatrix}_{1216} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 0 & 6 \end{bmatrix}_{1216} = \mathbf{Pl}(2, 0, 0, 4, 1, 0)_{248} \\
\ell_{40} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^3 \\ 0 & 1 & 0 & \gamma \end{bmatrix}_{2936} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 0 & 2 \end{bmatrix}_{2936} = \mathbf{Pl}(6, 0, 0, 4, 1, 0)_{252} \\
\ell_{41} &= \begin{bmatrix} 1 & \gamma^5 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{291} = \begin{bmatrix} 1 & 3 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{291} = \mathbf{Pl}(0, 0, 0, 3, 1, 0)_{231} \\
\ell_{42} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & \gamma^2 \end{bmatrix}_{616} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & 4 \end{bmatrix}_{616} = \mathbf{Pl}(3, 0, 0, 3, 1, 0)_{234}
\end{aligned}$$

$$\begin{aligned}
\ell_{43} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^6 \\ 0 & 1 & 0 & \gamma \end{bmatrix}_{3520} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 0 & 2 \end{bmatrix}_{3520} = \mathbf{Pl}(6, 0, 0, 3, 1, 0)_{237} \\
\ell_{44} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^2 \\ 0 & 1 & 0 & \gamma^4 \end{bmatrix}_{2392} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 0 & 7 \end{bmatrix}_{2392} = \mathbf{Pl}(5, 0, 0, 3, 1, 0)_{236} \\
\ell_{45} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^5 \\ 0 & 1 & 0 & 1 \end{bmatrix}_{1760} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 0 & 1 \end{bmatrix}_{1760} = \mathbf{Pl}(1, 0, 0, 3, 1, 0)_{232} \\
\ell_{46} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^4 \\ 0 & 1 & 0 & \gamma^6 \end{bmatrix}_{4136} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 0 & 6 \end{bmatrix}_{4136} = \mathbf{Pl}(2, 0, 0, 3, 1, 0)_{233} \\
\ell_{47} &= \begin{bmatrix} 1 & 0 & 0 & \gamma \\ 0 & 1 & 0 & \gamma^3 \end{bmatrix}_{1208} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 0 & 5 \end{bmatrix}_{1208} = \mathbf{Pl}(7, 0, 0, 3, 1, 0)_{238} \\
\ell_{48} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^3 \\ 0 & 1 & 0 & \gamma^5 \end{bmatrix}_{2944} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 0 & 3 \end{bmatrix}_{2944} = \mathbf{Pl}(4, 0, 0, 3, 1, 0)_{235} \\
\ell_{49} &= \begin{bmatrix} 1 & \gamma^4 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{583} = \begin{bmatrix} 1 & 7 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{583} = \mathbf{Pl}(0, 0, 0, 7, 1, 0)_{291} \\
\ell_{50} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & \gamma^3 \end{bmatrix}_{624} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & 5 \end{bmatrix}_{624} = \mathbf{Pl}(7, 0, 0, 7, 1, 0)_{298} \\
\ell_{51} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^6 \\ 0 & 1 & 0 & \gamma^2 \end{bmatrix}_{3536} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 0 & 4 \end{bmatrix}_{3536} = \mathbf{Pl}(3, 0, 0, 7, 1, 0)_{294} \\
\ell_{52} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^2 \\ 0 & 1 & 0 & \gamma^5 \end{bmatrix}_{2360} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 0 & 3 \end{bmatrix}_{2360} = \mathbf{Pl}(4, 0, 0, 7, 1, 0)_{295} \\
\ell_{53} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^5 \\ 0 & 1 & 0 & \gamma \end{bmatrix}_{1768} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 0 & 2 \end{bmatrix}_{1768} = \mathbf{Pl}(6, 0, 0, 7, 1, 0)_{297} \\
\ell_{54} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^4 \\ 0 & 1 & 0 & 1 \end{bmatrix}_{4096} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 0 & 1 \end{bmatrix}_{4096} = \mathbf{Pl}(1, 0, 0, 7, 1, 0)_{292} \\
\ell_{55} &= \begin{bmatrix} 1 & 0 & 0 & \gamma \\ 0 & 1 & 0 & \gamma^4 \end{bmatrix}_{1224} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 0 & 7 \end{bmatrix}_{1224} = \mathbf{Pl}(5, 0, 0, 7, 1, 0)_{296} \\
\ell_{56} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^3 \\ 0 & 1 & 0 & \gamma^6 \end{bmatrix}_{2968} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 0 & 6 \end{bmatrix}_{2968} = \mathbf{Pl}(2, 0, 0, 7, 1, 0)_{293} \\
\ell_{57} &= \begin{bmatrix} 1 & \gamma & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{218} = \begin{bmatrix} 1 & 2 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{218} = \mathbf{Pl}(0, 0, 0, 2, 1, 0)_{216} \\
\ell_{58} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & \gamma^6 \end{bmatrix}_{632} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & 6 \end{bmatrix}_{632} = \mathbf{Pl}(2, 0, 0, 2, 1, 0)_{218} \\
\ell_{59} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^6 \\ 0 & 1 & 0 & \gamma^5 \end{bmatrix}_{3528} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 0 & 3 \end{bmatrix}_{3528} = \mathbf{Pl}(4, 0, 0, 2, 1, 0)_{220} \\
\ell_{60} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^2 \\ 0 & 1 & 0 & \gamma \end{bmatrix}_{2352} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 0 & 2 \end{bmatrix}_{2352} = \mathbf{Pl}(6, 0, 0, 2, 1, 0)_{222} \\
\ell_{61} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^5 \\ 0 & 1 & 0 & \gamma^4 \end{bmatrix}_{1808} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 0 & 7 \end{bmatrix}_{1808} = \mathbf{Pl}(5, 0, 0, 2, 1, 0)_{221} \\
\ell_{62} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^4 \\ 0 & 1 & 0 & \gamma^3 \end{bmatrix}_{4128} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 0 & 5 \end{bmatrix}_{4128} = \mathbf{Pl}(7, 0, 0, 2, 1, 0)_{223} \\
\ell_{63} &= \begin{bmatrix} 1 & 0 & 0 & \gamma \\ 0 & 1 & 0 & 1 \end{bmatrix}_{1176} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 0 & 1 \end{bmatrix}_{1176} = \mathbf{Pl}(1, 0, 0, 2, 1, 0)_{217}
\end{aligned}$$

$$\begin{aligned}
\ell_{64} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^3 \\ 0 & 1 & 0 & \gamma^2 \end{bmatrix}_{2952} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 0 & 4 \end{bmatrix}_{2952} = \mathbf{Pl}(3, 0, 0, 2, 1, 0)_{219} \\
\ell_{65} &= \begin{bmatrix} 1 & \gamma^3 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{437} = \begin{bmatrix} 1 & 5 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{437} = \mathbf{Pl}(0, 0, 0, 5, 1, 0)_{261} \\
\ell_{66} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & \gamma^4 \end{bmatrix}_{640} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & 7 \end{bmatrix}_{640} = \mathbf{Pl}(5, 0, 0, 5, 1, 0)_{266} \\
\ell_{67} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^6 \\ 0 & 1 & 0 & \gamma^3 \end{bmatrix}_{3544} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 0 & 5 \end{bmatrix}_{3544} = \mathbf{Pl}(7, 0, 0, 5, 1, 0)_{268} \\
\ell_{68} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^2 \\ 0 & 1 & 0 & \gamma^6 \end{bmatrix}_{2384} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 0 & 6 \end{bmatrix}_{2384} = \mathbf{Pl}(2, 0, 0, 5, 1, 0)_{263} \\
\ell_{69} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^5 \\ 0 & 1 & 0 & \gamma^2 \end{bmatrix}_{1784} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 0 & 4 \end{bmatrix}_{1784} = \mathbf{Pl}(3, 0, 0, 5, 1, 0)_{264} \\
\ell_{70} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^4 \\ 0 & 1 & 0 & \gamma \end{bmatrix}_{4104} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 0 & 2 \end{bmatrix}_{4104} = \mathbf{Pl}(6, 0, 0, 5, 1, 0)_{267} \\
\ell_{71} &= \begin{bmatrix} 1 & 0 & 0 & \gamma \\ 0 & 1 & 0 & \gamma^5 \end{bmatrix}_{1192} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 0 & 3 \end{bmatrix}_{1192} = \mathbf{Pl}(4, 0, 0, 5, 1, 0)_{265} \\
\ell_{72} &= \begin{bmatrix} 1 & 0 & 0 & \gamma^3 \\ 0 & 1 & 0 & 1 \end{bmatrix}_{2928} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 0 & 1 \end{bmatrix}_{2928} = \mathbf{Pl}(1, 0, 0, 5, 1, 0)_{262} \\
\ell_{73} &= \begin{bmatrix} 1 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{656} = \begin{bmatrix} 1 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{656} = \mathbf{Pl}(0, 1, 0, 0, 1, 0)_{89} \\
\ell_{74} &= \begin{bmatrix} 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4689} = \begin{bmatrix} 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4689} = \mathbf{Pl}(0, 1, 0, 1, 0, 0)_{25} \\
\ell_{75} &= \begin{bmatrix} 1 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{729} = \begin{bmatrix} 1 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{729} = \mathbf{Pl}(0, 1, 0, 1, 1, 0)_{209} \\
\ell_{76} &= \begin{bmatrix} 1 & \gamma^2 & \gamma^4 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4452} = \begin{bmatrix} 1 & 4 & 7 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4452} = \mathbf{Pl}(0, 7, 0, 4, 1, 0)_{260} \\
\ell_{77} &= \begin{bmatrix} 1 & \gamma^6 & \gamma & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1678} = \begin{bmatrix} 1 & 6 & 2 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1678} = \mathbf{Pl}(0, 2, 0, 6, 1, 0)_{285} \\
\ell_{78} &= \begin{bmatrix} 1 & \gamma^5 & \gamma^2 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2627} = \begin{bmatrix} 1 & 3 & 4 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2627} = \mathbf{Pl}(0, 4, 0, 3, 1, 0)_{242} \\
\ell_{79} &= \begin{bmatrix} 1 & \gamma^4 & \gamma & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1751} = \begin{bmatrix} 1 & 7 & 2 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1751} = \mathbf{Pl}(0, 2, 0, 7, 1, 0)_{300} \\
\ell_{80} &= \begin{bmatrix} 1 & \gamma & \gamma^2 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2554} = \begin{bmatrix} 1 & 2 & 4 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2554} = \mathbf{Pl}(0, 4, 0, 2, 1, 0)_{227} \\
\ell_{81} &= \begin{bmatrix} 1 & \gamma^3 & \gamma^4 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4525} = \begin{bmatrix} 1 & 5 & 7 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4525} = \mathbf{Pl}(0, 7, 0, 5, 1, 0)_{275}
\end{aligned}$$

Rank of lines: (0, 72, 8, 48, 32, 24, 56, 16, 40, 4680, 584, 3504, 2336, 1752, 4088, 1168, 2920, 145, 592, 3552, 2368, 1776, 4144, 1184, 2960, 510, 600, 3512, 2376, 1800, 4112, 1200, 2976, 364, 608, 3560, 2344, 1792, 4120, 1216, 2936, 291, 616, 3520, 2392, 1760, 4136, 1208, 2944, 583, ...1751, 2554, 4525)

Rank of points on Klein quadric: (0, 81, 82, 83, 84, 85, 86, 87, 88, 17, 18, 19, 20, 21, 22, 23, 24, 201, 202, 203, 204, 205, 206, 207, 208, 276, 282, 277, 283, 278, 280, 279, 281, 246, 250, 251, 247, 253, 249, 248, 252, 231, 234, 237, 236, 232, 233, 238, 235, 291, ...300, 227, 275)

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 72 single points:

The single points on the surface are:

- | | |
|--|--|
| 0 : $P_4 = (1, 1, 1, 1)$ lies on line ℓ_{75} | 37 : $P_{339} = (2, 1, 4, 1)$ lies on line ℓ_{77} |
| 1 : $P_{12} = (1, 0, 1, 0)$ lies on line ℓ_{73} | 38 : $P_{340} = (3, 1, 4, 1)$ lies on line ℓ_{76} |
| 2 : $P_{19} = (0, 1, 1, 0)$ lies on line ℓ_{74} | 39 : $P_{346} = (1, 2, 4, 1)$ lies on line ℓ_{80} |
| 3 : $P_{20} = (1, 1, 1, 0)$ lies on line ℓ_{75} | 40 : $P_{348} = (3, 2, 4, 1)$ lies on line ℓ_{81} |
| 4 : $P_{40} = (5, 3, 1, 0)$ lies on line ℓ_{76} | 41 : $P_{354} = (1, 3, 4, 1)$ lies on line ℓ_{78} |
| 5 : $P_{41} = (6, 3, 1, 0)$ lies on line ℓ_{77} | 42 : $P_{355} = (2, 3, 4, 1)$ lies on line ℓ_{79} |
| 6 : $P_{54} = (3, 5, 1, 0)$ lies on line ℓ_{78} | 43 : $P_{361} = (0, 4, 4, 1)$ lies on line ℓ_{74} |
| 7 : $P_{57} = (6, 5, 1, 0)$ lies on line ℓ_{79} | 44 : $P_{365} = (4, 4, 4, 1)$ lies on line ℓ_{75} |
| 8 : $P_{62} = (3, 6, 1, 0)$ lies on line ℓ_{80} | 45 : $P_{398} = (5, 0, 5, 1)$ lies on line ℓ_{73} |
| 9 : $P_{64} = (5, 6, 1, 0)$ lies on line ℓ_{81} | 46 : $P_{413} = (4, 2, 5, 1)$ lies on line ℓ_{77} |
| 10 : $P_{139} = (1, 0, 1, 1)$ lies on line ℓ_{73} | 47 : $P_{415} = (6, 2, 5, 1)$ lies on line ℓ_{76} |
| 11 : $P_{146} = (0, 1, 1, 1)$ lies on line ℓ_{74} | 48 : $P_{427} = (2, 4, 5, 1)$ lies on line ℓ_{80} |
| 12 : $P_{166} = (5, 3, 1, 1)$ lies on line ℓ_{76} | 49 : $P_{431} = (6, 4, 5, 1)$ lies on line ℓ_{81} |
| 13 : $P_{167} = (6, 3, 1, 1)$ lies on line ℓ_{77} | 50 : $P_{433} = (0, 5, 5, 1)$ lies on line ℓ_{74} |
| 14 : $P_{180} = (3, 5, 1, 1)$ lies on line ℓ_{78} | 51 : $P_{438} = (5, 5, 5, 1)$ lies on line ℓ_{75} |
| 15 : $P_{183} = (6, 5, 1, 1)$ lies on line ℓ_{79} | 52 : $P_{443} = (2, 6, 5, 1)$ lies on line ℓ_{78} |
| 16 : $P_{188} = (3, 6, 1, 1)$ lies on line ℓ_{80} | 53 : $P_{445} = (4, 6, 5, 1)$ lies on line ℓ_{79} |
| 17 : $P_{190} = (5, 6, 1, 1)$ lies on line ℓ_{81} | 54 : $P_{463} = (6, 0, 6, 1)$ lies on line ℓ_{73} |
| 18 : $P_{203} = (2, 0, 2, 1)$ lies on line ℓ_{73} | 55 : $P_{485} = (4, 3, 6, 1)$ lies on line ℓ_{81} |
| 19 : $P_{215} = (6, 1, 2, 1)$ lies on line ℓ_{80} | 56 : $P_{488} = (7, 3, 6, 1)$ lies on line ℓ_{80} |
| 20 : $P_{216} = (7, 1, 2, 1)$ lies on line ℓ_{81} | 57 : $P_{492} = (3, 4, 6, 1)$ lies on line ℓ_{79} |
| 21 : $P_{217} = (0, 2, 2, 1)$ lies on line ℓ_{74} | 58 : $P_{496} = (7, 4, 6, 1)$ lies on line ℓ_{78} |
| 22 : $P_{219} = (2, 2, 2, 1)$ lies on line ℓ_{75} | 59 : $P_{505} = (0, 6, 6, 1)$ lies on line ℓ_{74} |
| 23 : $P_{250} = (1, 6, 2, 1)$ lies on line ℓ_{77} | 60 : $P_{511} = (6, 6, 6, 1)$ lies on line ℓ_{75} |
| 24 : $P_{256} = (7, 6, 2, 1)$ lies on line ℓ_{76} | 61 : $P_{516} = (3, 7, 6, 1)$ lies on line ℓ_{77} |
| 25 : $P_{258} = (1, 7, 2, 1)$ lies on line ℓ_{79} | 62 : $P_{517} = (4, 7, 6, 1)$ lies on line ℓ_{76} |
| 26 : $P_{263} = (6, 7, 2, 1)$ lies on line ℓ_{78} | 63 : $P_{528} = (7, 0, 7, 1)$ lies on line ℓ_{73} |
| 27 : $P_{268} = (3, 0, 3, 1)$ lies on line ℓ_{73} | 64 : $P_{533} = (4, 1, 7, 1)$ lies on line ℓ_{78} |
| 28 : $P_{286} = (5, 2, 3, 1)$ lies on line ℓ_{78} | 65 : $P_{534} = (5, 1, 7, 1)$ lies on line ℓ_{79} |
| 29 : $P_{288} = (7, 2, 3, 1)$ lies on line ℓ_{79} | 66 : $P_{554} = (1, 4, 7, 1)$ lies on line ℓ_{76} |
| 30 : $P_{289} = (0, 3, 3, 1)$ lies on line ℓ_{74} | 67 : $P_{558} = (5, 4, 7, 1)$ lies on line ℓ_{77} |
| 31 : $P_{292} = (3, 3, 3, 1)$ lies on line ℓ_{75} | 68 : $P_{562} = (1, 5, 7, 1)$ lies on line ℓ_{81} |
| 32 : $P_{307} = (2, 5, 3, 1)$ lies on line ℓ_{76} | 69 : $P_{565} = (4, 5, 7, 1)$ lies on line ℓ_{80} |
| 33 : $P_{312} = (7, 5, 3, 1)$ lies on line ℓ_{77} | 70 : $P_{577} = (0, 7, 7, 1)$ lies on line ℓ_{74} |
| 34 : $P_{323} = (2, 7, 3, 1)$ lies on line ℓ_{81} | 71 : $P_{584} = (7, 7, 7, 1)$ lies on line ℓ_{75} |
| 35 : $P_{326} = (5, 7, 3, 1)$ lies on line ℓ_{80} | |
| 36 : $P_{333} = (4, 0, 4, 1)$ lies on line ℓ_{73} | |

The single points on the surface are:

Points on surface but on no line

The surface has 0 points not on any line:

The points on the surface but not on lines are:

Line Intersection Graph

[illegible]

Neighbor sets in the line intersection graph:

Line 0 intersects

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| Line | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{19} | ℓ_{20} | ℓ_{21} | ℓ_{22} | |
| in point | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_5 | P_5 | P_5 | P_5 | P_5 | P_5 | |

Line 1 intersects

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|--|
| Line | ℓ_0 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{19} | ℓ_{20} | ℓ_{21} | | |
| in point | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_3 | P_{75} | P_{76} | P_{77} | P_{78} | P_{79} | P_{80} | P_{81} | P_3 | P_{75} | P_{76} | P_{77} | P_{78} | | |

Line 2 intersects

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|--|
| Line | ℓ_0 | ℓ_1 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{19} | ℓ_{20} | ℓ_{21} | | |
| in point | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_{82} | P_{83} | P_{84} | P_{85} | P_{86} | P_{87} | P_{88} | P_{89} | P_{83} | P_{82} | P_{85} | P_{84} | P_{87} | | |

Line 3 intersects

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|--|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{19} | ℓ_{20} | ℓ_{21} | | |
| in point | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_{90} | P_{91} | P_{92} | P_{93} | P_{94} | P_{95} | P_{96} | P_{97} | P_{92} | P_{93} | P_{90} | P_{91} | P_{96} | | |

Line 4 intersects

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|--|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{19} | ℓ_{20} | ℓ_{21} | | |
| in point | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_{98} | P_{99} | P_{100} | P_{101} | P_{102} | P_{103} | P_{104} | P_{105} | P_{101} | P_{100} | P_{99} | P_{98} | | | |

Line 5 intersects

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|--|--|--|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{19} | | | | |
| in point | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_{106} | P_{107} | P_{108} | P_{109} | P_{110} | P_{111} | P_{112} | P_{113} | P_{110} | P_{111} | P_{112} | | | | |

Line 6 intersects

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|--|--|--|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{19} | | | | |
| in point | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_{114} | P_{115} | P_{116} | P_{117} | P_{118} | P_{119} | P_{120} | P_{121} | P_{119} | P_{118} | P_{121} | | | | |

Line 7 intersects

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|--|--|--|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{19} | | | | |
| in point | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_{122} | P_{123} | P_{124} | P_{125} | P_{126} | P_{127} | P_{128} | P_{129} | P_{128} | P_{129} | P_{126} | | | | |

Line 8 intersects

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|--|--|--|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{19} | | | | |
| in point | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_0 | P_{130} | P_{131} | P_{132} | P_{133} | P_{134} | P_{135} | P_{136} | P_{137} | P_{137} | P_{136} | P_{135} | | | | |

Line 9 intersects

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|--|--|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{19} | ℓ_{20} | | | |
| in point | P_1 | P_3 | P_{82} | P_{90} | P_{98} | P_{106} | P_{114} | P_{122} | P_{130} | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_3 | P_{82} | P_{90} | P_{98} | | | |

Line 10 intersects

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|--|--|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{19} | ℓ_{20} | | | |
| in point | P_1 | P_{75} | P_{83} | P_{91} | P_{99} | P_{107} | P_{115} | P_{123} | P_{131} | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_{83} | P_{75} | P_{99} | P_{91} | | | |

Line 11 intersects

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{19} | ℓ_{20} | ℓ_{21} | ℓ_{22} | |
| in point | P_1 | P_{76} | P_{84} | P_{92} | P_{100} | P_{108} | P_{116} | P_{124} | P_{132} | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_{92} | P_{100} | P_{76} | P_{84} | P_{92} | |

Line 12 intersects

| | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{19} | ℓ_{20} |
| in point | P_1 | P_{77} | P_{85} | P_{93} | P_{101} | P_{109} | P_{117} | P_{125} | P_{133} | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_{101} | P_{93} | P_{85} | P_{77} |

Line 13 intersects

| | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{19} | ℓ_{20} |
| in point | P_1 | P_{78} | P_{86} | P_{94} | P_{102} | P_{110} | P_{118} | P_{126} | P_{134} | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_{110} | P_{118} | P_{126} | P_{134} |

Line 14 intersects

| | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{19} | ℓ_{20} |
| in point | P_1 | P_{79} | P_{87} | P_{95} | P_{103} | P_{111} | P_{119} | P_{127} | P_{135} | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_{119} | P_{111} | P_{135} | P_{127} |

Line 15 intersects

| | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{19} | ℓ_{20} |
| in point | P_1 | P_{80} | P_{88} | P_{96} | P_{104} | P_{112} | P_{120} | P_{128} | P_{136} | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_{128} | P_{136} | P_{112} | P_{120} |

Line 16 intersects

| | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{17} | ℓ_{18} | ℓ_{19} | ℓ_{20} |
| in point | P_1 | P_{81} | P_{89} | P_{97} | P_{105} | P_{113} | P_{121} | P_{129} | P_{137} | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_1 | P_{137} | P_{129} | P_{121} | P_{137} |

Line 17 intersects

| | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{18} | ℓ_{19} | ℓ_{20} |
| in point | P_5 | P_3 | P_{83} | P_{92} | P_{101} | P_{110} | P_{119} | P_{128} | P_{137} | P_3 | P_{83} | P_{92} | P_{101} | P_{110} | P_{119} | P_{128} | P_{137} | P_5 | P_{137} | P_5 |

Line 18 intersects

| | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{19} | ℓ_{20} |
| in point | P_5 | P_{75} | P_{82} | P_{93} | P_{100} | P_{111} | P_{118} | P_{129} | P_{136} | P_{82} | P_{75} | P_{100} | P_{93} | P_{118} | P_{111} | P_{136} | P_{129} | P_5 | P_{136} | P_5 |

Line 19 intersects

| | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{20} |
| in point | P_5 | P_{76} | P_{85} | P_{90} | P_{99} | P_{112} | P_{121} | P_{126} | P_{135} | P_{90} | P_{99} | P_{76} | P_{85} | P_{126} | P_{135} | P_{112} | P_{121} | P_5 | P_{135} | P_5 |

Line 20 intersects

| | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{20} |
| in point | P_5 | P_{77} | P_{84} | P_{91} | P_{98} | P_{113} | P_{120} | P_{127} | P_{134} | P_{98} | P_{91} | P_{84} | P_{77} | P_{134} | P_{127} | P_{120} | P_{113} | P_5 | P_{134} | P_5 |

Line 21 intersects

| | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{20} |
| in point | P_5 | P_{78} | P_{87} | P_{96} | P_{105} | P_{106} | P_{115} | P_{124} | P_{133} | P_{106} | P_{115} | P_{124} | P_{133} | P_{78} | P_{87} | P_{96} | P_{105} | P_5 | P_{133} | P_5 |

Line 22 intersects

| | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{19} | ℓ_{20} |
| in point | P_5 | P_{79} | P_{86} | P_{97} | P_{104} | P_{107} | P_{114} | P_{125} | P_{132} | P_{114} | P_{107} | P_{132} | P_{125} | P_{86} | P_{79} | P_{104} | P_{97} | P_5 | P_{132} | P_5 |

Line 23 intersects

| | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} | ℓ_{20} |
| in point | P_5 | P_{80} | P_{89} | P_{94} | P_{103} | P_{108} | P_{117} | P_{122} | P_{131} | P_{122} | P_{131} | P_{108} | P_{117} | P_{94} | P_{103} | P_{80} | P_{89} | P_5 | P_{131} | P_5 |

Line 24 intersects

| | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{19} | ℓ_{20} |
| in point | P_5 | P_{81} | P_{88} | P_{95} | P_{102} | P_{109} | P_{116} | P_{123} | P_{130} | P_{130} | P_{123} | P_{116} | P_{109} | P_{102} | P_{95} | P_{88} | P_{81} | P_5 | P_{130} | P_5 |

Line 25 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_6 | P_3 | P_{84} | P_{94} | P_{104} | P_{111} | P_{121} | P_{123} | P_{133} | P_3 | P_{123} | P_{84} | P_{133} | P_{94} | P_{111} | P_{104} | P_{121} | P_3 | P_{121} |

Line 26 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_6 | P_{75} | P_{85} | P_{95} | P_{105} | P_{110} | P_{120} | P_{122} | P_{132} | P_{122} | P_{75} | P_{132} | P_{85} | P_{110} | P_{95} | P_{120} | P_{105} | P_{110} | P_{120} |

Line 27 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_6 | P_{76} | P_{82} | P_{96} | P_{102} | P_{113} | P_{119} | P_{125} | P_{131} | P_{82} | P_{131} | P_{76} | P_{125} | P_{102} | P_{119} | P_{96} | P_{113} | P_{119} | P_{125} |

Line 28 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_6 | P_{77} | P_{83} | P_{97} | P_{103} | P_{112} | P_{118} | P_{124} | P_{130} | P_{130} | P_{83} | P_{124} | P_{77} | P_{118} | P_{103} | P_{112} | P_{97} | P_{83} | P_{124} |

Line 29 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_6 | P_{78} | P_{88} | P_{90} | P_{100} | P_{107} | P_{117} | P_{127} | P_{137} | P_{90} | P_{107} | P_{100} | P_{117} | P_{78} | P_{127} | P_{88} | P_{137} | P_{137} | P_{127} |

Line 30 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_6 | P_{79} | P_{89} | P_{91} | P_{101} | P_{106} | P_{116} | P_{126} | P_{136} | P_{106} | P_{91} | P_{116} | P_{101} | P_{126} | P_{79} | P_{136} | P_{89} | P_{101} | P_{126} |

Line 31 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_6 | P_{80} | P_{86} | P_{92} | P_{98} | P_{109} | P_{115} | P_{129} | P_{135} | P_{98} | P_{115} | P_{92} | P_{109} | P_{86} | P_{135} | P_{80} | P_{129} | P_{92} | P_{135} |

Line 32 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_6 | P_{81} | P_{87} | P_{93} | P_{99} | P_{108} | P_{114} | P_{128} | P_{134} | P_{114} | P_{99} | P_{108} | P_{93} | P_{134} | P_{87} | P_{128} | P_{81} | P_{128} | P_{134} |

Line 33 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_7 | P_3 | P_{85} | P_{96} | P_{103} | P_{107} | P_{116} | P_{129} | P_{134} | P_3 | P_{107} | P_{116} | P_{85} | P_{134} | P_{103} | P_{96} | P_{129} | P_3 | P_{129} |

Line 34 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_7 | P_{75} | P_{84} | P_{97} | P_{102} | P_{106} | P_{117} | P_{128} | P_{135} | P_{106} | P_{75} | P_{84} | P_{117} | P_{102} | P_{135} | P_{128} | P_{97} | P_{128} | P_{135} |

Line 35 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_7 | P_{76} | P_{83} | P_{94} | P_{105} | P_{109} | P_{114} | P_{127} | P_{136} | P_{114} | P_{83} | P_{76} | P_{109} | P_{94} | P_{127} | P_{136} | P_{105} | P_{83} | P_{127} |

Line 36 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_7 | P_{77} | P_{82} | P_{95} | P_{104} | P_{108} | P_{115} | P_{126} | P_{137} | P_{82} | P_{115} | P_{108} | P_{77} | P_{126} | P_{95} | P_{104} | P_{137} | P_{137} | P_{126} |

Line 37 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_7 | P_{78} | P_{89} | P_{92} | P_{99} | P_{111} | P_{120} | P_{125} | P_{130} | P_{130} | P_{99} | P_{92} | P_{125} | P_{78} | P_{111} | P_{120} | P_{89} | P_{92} | P_{125} |

Line 38 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_7 | P_{79} | P_{88} | P_{93} | P_{98} | P_{110} | P_{121} | P_{124} | P_{131} | P_{98} | P_{131} | P_{124} | P_{93} | P_{110} | P_{79} | P_{88} | P_{121} | P_{110} | P_{124} |

Line 39 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_7 | P_{80} | P_{87} | P_{90} | P_{101} | P_{113} | P_{118} | P_{123} | P_{132} | P_{90} | P_{123} | P_{132} | P_{101} | P_{118} | P_{87} | P_{80} | P_{113} | P_{101} | P_{123} |

Line 40 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_7 | P_{81} | P_{86} | P_{91} | P_{100} | P_{112} | P_{119} | P_{122} | P_{133} | P_{122} | P_{91} | P_{100} | P_{133} | P_{86} | P_{119} | P_{112} | P_{81} | P_{119} | P_{122} |

Line 41 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_8 | P_3 | P_{86} | P_{95} | P_{99} | P_{113} | P_{117} | P_{124} | P_{136} | P_3 | P_{99} | P_{124} | P_{117} | P_{86} | P_{95} | P_{136} | P_{113} | P_3 | P_{136} |

Line 42 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_8 | P_{75} | P_{87} | P_{94} | P_{98} | P_{112} | P_{116} | P_{125} | P_{137} | P_{98} | P_{75} | P_{116} | P_{125} | P_{94} | P_{87} | P_{112} | P_{137} | P_{137} | P_{125} |

Line 43 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_8 | P_{76} | P_{88} | P_{97} | P_{101} | P_{111} | P_{115} | P_{122} | P_{134} | P_{122} | P_{115} | P_{76} | P_{101} | P_{134} | P_{111} | P_{88} | P_{97} | P_{101} | P_{122} |

Line 44 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_8 | P_{77} | P_{89} | P_{96} | P_{100} | P_{110} | P_{114} | P_{123} | P_{135} | P_{114} | P_{123} | P_{100} | P_{77} | P_{110} | P_{135} | P_{96} | P_{89} | P_{110} | P_{123} |

Line 45 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_8 | P_{78} | P_{82} | P_{91} | P_{103} | P_{109} | P_{121} | P_{128} | P_{132} | P_{82} | P_{91} | P_{132} | P_{109} | P_{78} | P_{103} | P_{128} | P_{121} | P_{128} | P_{132} |

Line 46 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_8 | P_{79} | P_{83} | P_{90} | P_{102} | P_{108} | P_{120} | P_{129} | P_{133} | P_{90} | P_{83} | P_{108} | P_{133} | P_{102} | P_{79} | P_{120} | P_{129} | P_{83} | P_{129} |

Line 47 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_8 | P_{80} | P_{84} | P_{93} | P_{105} | P_{107} | P_{119} | P_{126} | P_{130} | P_{130} | P_{107} | P_{84} | P_{93} | P_{126} | P_{119} | P_{80} | P_{105} | P_{119} | P_{126} |

Line 48 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_8 | P_{81} | P_{85} | P_{92} | P_{104} | P_{106} | P_{118} | P_{127} | P_{131} | P_{106} | P_{131} | P_{92} | P_{85} | P_{118} | P_{127} | P_{104} | P_{81} | P_{92} | P_{127} |

Line 49 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_9 | P_3 | P_{87} | P_{97} | P_{100} | P_{109} | P_{120} | P_{126} | P_{131} | P_3 | P_{131} | P_{100} | P_{109} | P_{126} | P_{87} | P_{120} | P_{97} | P_3 | P_{126} |

Line 50 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_9 | P_{75} | P_{86} | P_{96} | P_{101} | P_{108} | P_{121} | P_{127} | P_{130} | P_{130} | P_{75} | P_{108} | P_{101} | P_{86} | P_{127} | P_{96} | P_{121} | P_{101} | P_{127} |

Line 51 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_9 | P_{76} | P_{89} | P_{95} | P_{98} | P_{107} | P_{118} | P_{128} | P_{133} | P_{98} | P_{107} | P_{76} | P_{133} | P_{118} | P_{95} | P_{128} | P_{89} | P_{128} | P_{95} |

Line 52 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_9 | P_{77} | P_{88} | P_{94} | P_{99} | P_{106} | P_{119} | P_{129} | P_{132} | P_{106} | P_{99} | P_{132} | P_{77} | P_{94} | P_{119} | P_{88} | P_{129} | P_{119} | P_{88} |

Line 53 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_9 | P_{78} | P_{83} | P_{93} | P_{104} | P_{113} | P_{116} | P_{122} | P_{135} | P_{122} | P_{83} | P_{116} | P_{93} | P_{78} | P_{135} | P_{104} | P_{113} | P_{83} | P_{93} |

Line 54 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_9 | P_{79} | P_{82} | P_{92} | P_{105} | P_{112} | P_{117} | P_{123} | P_{134} | P_{82} | P_{123} | P_{92} | P_{117} | P_{134} | P_{79} | P_{112} | P_{105} | P_{92} | P_{82} |

Line 55 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_9 | P_{80} | P_{85} | P_{91} | P_{102} | P_{111} | P_{114} | P_{124} | P_{137} | P_{114} | P_{91} | P_{124} | P_{85} | P_{102} | P_{111} | P_{80} | P_{137} | P_{137} | P_{85} |

Line 56 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_9 | P_{81} | P_{84} | P_{90} | P_{103} | P_{110} | P_{115} | P_{125} | P_{136} | P_{90} | P_{115} | P_{84} | P_{125} | P_{110} | P_{103} | P_{136} | P_{81} | P_{110} | P_{84} |

Line 57 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_{10} | P_3 | P_{88} | P_{91} | P_{105} | P_{108} | P_{118} | P_{125} | P_{135} | P_3 | P_{91} | P_{108} | P_{125} | P_{118} | P_{135} | P_{88} | P_{105} | P_3 | P_{88} |

Line 58 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_{10} | P_{75} | P_{89} | P_{90} | P_{104} | P_{109} | P_{119} | P_{124} | P_{134} | P_{90} | P_{75} | P_{124} | P_{109} | P_{134} | P_{119} | P_{104} | P_{89} | P_{90} | P_{75} |

Line 59 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_{10} | P_{76} | P_{86} | P_{93} | P_{103} | P_{106} | P_{120} | P_{123} | P_{137} | P_{106} | P_{123} | P_{76} | P_{93} | P_{86} | P_{103} | P_{120} | P_{137} | P_{137} | P_{86} |

Line 60 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_{10} | P_{77} | P_{87} | P_{92} | P_{102} | P_{107} | P_{121} | P_{122} | P_{136} | P_{122} | P_{107} | P_{92} | P_{77} | P_{102} | P_{87} | P_{136} | P_{121} | P_{92} | P_{87} |

Line 61 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_{10} | P_{78} | P_{84} | P_{95} | P_{101} | P_{112} | P_{114} | P_{129} | P_{131} | P_{114} | P_{131} | P_{84} | P_{101} | P_{78} | P_{95} | P_{112} | P_{129} | P_{101} | P_{78} |

Line 62 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_{10} | P_{79} | P_{85} | P_{94} | P_{100} | P_{113} | P_{115} | P_{128} | P_{130} | P_{130} | P_{115} | P_{100} | P_{85} | P_{94} | P_{79} | P_{128} | P_{113} | P_{128} | P_{85} |

Line 63 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_{10} | P_{80} | P_{82} | P_{97} | P_{99} | P_{110} | P_{116} | P_{127} | P_{133} | P_{82} | P_{99} | P_{116} | P_{133} | P_{110} | P_{127} | P_{80} | P_{97} | P_{110} | P_{82} |

Line 64 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_{10} | P_{81} | P_{83} | P_{96} | P_{98} | P_{111} | P_{117} | P_{126} | P_{132} | P_{98} | P_{83} | P_{132} | P_{117} | P_{126} | P_{111} | P_{96} | P_{81} | P_{83} | P_{96} |

Line 65 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_{11} | P_3 | P_{89} | P_{93} | P_{102} | P_{112} | P_{115} | P_{127} | P_{132} | P_3 | P_{115} | P_{132} | P_{93} | P_{102} | P_{127} | P_{112} | P_{89} | P_3 | P_{112} |

Line 66 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_{11} | P_{75} | P_{88} | P_{92} | P_{103} | P_{113} | P_{114} | P_{126} | P_{133} | P_{114} | P_{75} | P_{92} | P_{133} | P_{126} | P_{103} | P_{88} | P_{113} | P_{92} | P_{113} |

Line 67 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_{11} | P_{76} | P_{87} | P_{91} | P_{104} | P_{110} | P_{117} | P_{129} | P_{130} | P_{130} | P_{91} | P_{76} | P_{117} | P_{110} | P_{87} | P_{104} | P_{129} | P_{110} | P_{110} |

Line 68 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_{11} | P_{77} | P_{86} | P_{90} | P_{105} | P_{111} | P_{116} | P_{128} | P_{131} | P_{90} | P_{131} | P_{116} | P_{77} | P_{86} | P_{111} | P_{128} | P_{105} | P_{128} | P_{128} |

Line 69 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_{11} | P_{78} | P_{85} | P_{97} | P_{98} | P_{108} | P_{119} | P_{123} | P_{136} | P_{98} | P_{123} | P_{108} | P_{85} | P_{78} | P_{119} | P_{136} | P_{97} | P_{119} | P_{119} |

Line 70 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_{11} | P_{79} | P_{84} | P_{96} | P_{99} | P_{109} | P_{118} | P_{122} | P_{137} | P_{122} | P_{99} | P_{84} | P_{109} | P_{118} | P_{79} | P_{96} | P_{137} | P_{137} | P_{137} |

Line 71 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_{11} | P_{80} | P_{83} | P_{95} | P_{100} | P_{106} | P_{121} | P_{125} | P_{134} | P_{106} | P_{83} | P_{100} | P_{125} | P_{134} | P_{95} | P_{80} | P_{121} | P_{83} | P_{83} |

Line 72 intersects

| | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_0 | ℓ_1 | ℓ_2 | ℓ_3 | ℓ_4 | ℓ_5 | ℓ_6 | ℓ_7 | ℓ_8 | ℓ_9 | ℓ_{10} | ℓ_{11} | ℓ_{12} | ℓ_{13} | ℓ_{14} | ℓ_{15} | ℓ_{16} | ℓ_{17} | ℓ_{18} |
| in point | P_{11} | P_{81} | P_{82} | P_{94} | P_{101} | P_{107} | P_{120} | P_{124} | P_{135} | P_{82} | P_{107} | P_{124} | P_{101} | P_{94} | P_{135} | P_{120} | P_{81} | P_{101} | P_{101} |

Line 73 intersects

| | | | | | | | | | | | | | | | | | |
|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_1 | ℓ_9 | ℓ_{17} | ℓ_{25} | ℓ_{33} | ℓ_{41} | ℓ_{49} | ℓ_{57} | ℓ_{65} | ℓ_{74} | ℓ_{75} | ℓ_{76} | ℓ_{77} | ℓ_{78} | ℓ_{79} | ℓ_{80} | ℓ_{81} |
| in point | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 |

Line 74 intersects

| | | | | | | | | | | | | | | | | | |
|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_1 | ℓ_9 | ℓ_{17} | ℓ_{25} | ℓ_{33} | ℓ_{41} | ℓ_{49} | ℓ_{57} | ℓ_{65} | ℓ_{73} | ℓ_{75} | ℓ_{76} | ℓ_{77} | ℓ_{78} | ℓ_{79} | ℓ_{80} | ℓ_{81} |
| in point | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 |

Line 75 intersects

| | | | | | | | | | | | | | | | | | |
|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_1 | ℓ_9 | ℓ_{17} | ℓ_{25} | ℓ_{33} | ℓ_{41} | ℓ_{49} | ℓ_{57} | ℓ_{65} | ℓ_{73} | ℓ_{74} | ℓ_{76} | ℓ_{77} | ℓ_{78} | ℓ_{79} | ℓ_{80} | ℓ_{81} |
| in point | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 |

Line 76 intersects

| | | | | | | | | | | | | | | | | | |
|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Line | ℓ_1 | ℓ_9 | ℓ_{17} | ℓ_{25} | ℓ_{33} | ℓ_{41} | ℓ_{49} | ℓ_{57} | ℓ_{65} | ℓ_{73} | ℓ_{74} | ℓ_{75} | ℓ_{77} | ℓ_{78} | ℓ_{79} | ℓ_{80} | ℓ_{81} |
| in point | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 |

Line 77 intersects

| Line | ℓ_1 | ℓ_9 | ℓ_{17} | ℓ_{25} | ℓ_{33} | ℓ_{41} | ℓ_{49} | ℓ_{57} | ℓ_{65} | ℓ_{73} | ℓ_{74} | ℓ_{75} | ℓ_{76} | ℓ_{78} | ℓ_{79} | ℓ_{80} | ℓ_{81} |
|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| in point | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 |

Line 78 intersects

| Line | ℓ_1 | ℓ_9 | ℓ_{17} | ℓ_{25} | ℓ_{33} | ℓ_{41} | ℓ_{49} | ℓ_{57} | ℓ_{65} | ℓ_{73} | ℓ_{74} | ℓ_{75} | ℓ_{76} | ℓ_{77} | ℓ_{79} | ℓ_{80} | ℓ_{81} |
|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| in point | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 |

Line 79 intersects

| Line | ℓ_1 | ℓ_9 | ℓ_{17} | ℓ_{25} | ℓ_{33} | ℓ_{41} | ℓ_{49} | ℓ_{57} | ℓ_{65} | ℓ_{73} | ℓ_{74} | ℓ_{75} | ℓ_{76} | ℓ_{77} | ℓ_{78} | ℓ_{80} | ℓ_{81} |
|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| in point | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 |

Line 80 intersects

| Line | ℓ_1 | ℓ_9 | ℓ_{17} | ℓ_{25} | ℓ_{33} | ℓ_{41} | ℓ_{49} | ℓ_{57} | ℓ_{65} | ℓ_{73} | ℓ_{74} | ℓ_{75} | ℓ_{76} | ℓ_{77} | ℓ_{78} | ℓ_{79} | ℓ_{81} |
|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| in point | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 |

Line 81 intersects

| Line | ℓ_1 | ℓ_9 | ℓ_{17} | ℓ_{25} | ℓ_{33} | ℓ_{41} | ℓ_{49} | ℓ_{57} | ℓ_{65} | ℓ_{73} | ℓ_{74} | ℓ_{75} | ℓ_{76} | ℓ_{77} | ℓ_{78} | ℓ_{79} | ℓ_{80} |
|----------|----------|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| in point | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 | P_3 |

The surface has 145 points:

The points on the surface are:

- | | | |
|------------------------------|-------------------------------|-------------------------------|
| 0 : $P_0 = (1, 0, 0, 0)$ | 27 : $P_{82} = (0, 1, 0, 1)$ | 54 : $P_{109} = (3, 4, 0, 1)$ |
| 1 : $P_1 = (0, 1, 0, 0)$ | 28 : $P_{83} = (1, 1, 0, 1)$ | 55 : $P_{110} = (4, 4, 0, 1)$ |
| 2 : $P_3 = (0, 0, 0, 1)$ | 29 : $P_{84} = (2, 1, 0, 1)$ | 56 : $P_{111} = (5, 4, 0, 1)$ |
| 3 : $P_4 = (1, 1, 1, 1)$ | 30 : $P_{85} = (3, 1, 0, 1)$ | 57 : $P_{112} = (6, 4, 0, 1)$ |
| 4 : $P_5 = (1, 1, 0, 0)$ | 31 : $P_{86} = (4, 1, 0, 1)$ | 58 : $P_{113} = (7, 4, 0, 1)$ |
| 5 : $P_6 = (2, 1, 0, 0)$ | 32 : $P_{87} = (5, 1, 0, 1)$ | 59 : $P_{114} = (0, 5, 0, 1)$ |
| 6 : $P_7 = (3, 1, 0, 0)$ | 33 : $P_{88} = (6, 1, 0, 1)$ | 60 : $P_{115} = (1, 5, 0, 1)$ |
| 7 : $P_8 = (4, 1, 0, 0)$ | 34 : $P_{89} = (7, 1, 0, 1)$ | 61 : $P_{116} = (2, 5, 0, 1)$ |
| 8 : $P_9 = (5, 1, 0, 0)$ | 35 : $P_{90} = (0, 2, 0, 1)$ | 62 : $P_{117} = (3, 5, 0, 1)$ |
| 9 : $P_{10} = (6, 1, 0, 0)$ | 36 : $P_{91} = (1, 2, 0, 1)$ | 63 : $P_{118} = (4, 5, 0, 1)$ |
| 10 : $P_{11} = (7, 1, 0, 0)$ | 37 : $P_{92} = (2, 2, 0, 1)$ | 64 : $P_{119} = (5, 5, 0, 1)$ |
| 11 : $P_{12} = (1, 0, 1, 0)$ | 38 : $P_{93} = (3, 2, 0, 1)$ | 65 : $P_{120} = (6, 5, 0, 1)$ |
| 12 : $P_{19} = (0, 1, 1, 0)$ | 39 : $P_{94} = (4, 2, 0, 1)$ | 66 : $P_{121} = (7, 5, 0, 1)$ |
| 13 : $P_{20} = (1, 1, 1, 0)$ | 40 : $P_{95} = (5, 2, 0, 1)$ | 67 : $P_{122} = (0, 6, 0, 1)$ |
| 14 : $P_{40} = (5, 3, 1, 0)$ | 41 : $P_{96} = (6, 2, 0, 1)$ | 68 : $P_{123} = (1, 6, 0, 1)$ |
| 15 : $P_{41} = (6, 3, 1, 0)$ | 42 : $P_{97} = (7, 2, 0, 1)$ | 69 : $P_{124} = (2, 6, 0, 1)$ |
| 16 : $P_{54} = (3, 5, 1, 0)$ | 43 : $P_{98} = (0, 3, 0, 1)$ | 70 : $P_{125} = (3, 6, 0, 1)$ |
| 17 : $P_{57} = (6, 5, 1, 0)$ | 44 : $P_{99} = (1, 3, 0, 1)$ | 71 : $P_{126} = (4, 6, 0, 1)$ |
| 18 : $P_{62} = (3, 6, 1, 0)$ | 45 : $P_{100} = (2, 3, 0, 1)$ | 72 : $P_{127} = (5, 6, 0, 1)$ |
| 19 : $P_{64} = (5, 6, 1, 0)$ | 46 : $P_{101} = (3, 3, 0, 1)$ | 73 : $P_{128} = (6, 6, 0, 1)$ |
| 20 : $P_{75} = (1, 0, 0, 1)$ | 47 : $P_{102} = (4, 3, 0, 1)$ | 74 : $P_{129} = (7, 6, 0, 1)$ |
| 21 : $P_{76} = (2, 0, 0, 1)$ | 48 : $P_{103} = (5, 3, 0, 1)$ | 75 : $P_{130} = (0, 7, 0, 1)$ |
| 22 : $P_{77} = (3, 0, 0, 1)$ | 49 : $P_{104} = (6, 3, 0, 1)$ | 76 : $P_{131} = (1, 7, 0, 1)$ |
| 23 : $P_{78} = (4, 0, 0, 1)$ | 50 : $P_{105} = (7, 3, 0, 1)$ | 77 : $P_{132} = (2, 7, 0, 1)$ |
| 24 : $P_{79} = (5, 0, 0, 1)$ | 51 : $P_{106} = (0, 4, 0, 1)$ | 78 : $P_{133} = (3, 7, 0, 1)$ |
| 25 : $P_{80} = (6, 0, 0, 1)$ | 52 : $P_{107} = (1, 4, 0, 1)$ | 79 : $P_{134} = (4, 7, 0, 1)$ |
| 26 : $P_{81} = (7, 0, 0, 1)$ | 53 : $P_{108} = (2, 4, 0, 1)$ | 80 : $P_{135} = (5, 7, 0, 1)$ |

81 : $P_{136} = (6, 7, 0, 1)$
 82 : $P_{137} = (7, 7, 0, 1)$
 83 : $P_{139} = (1, 0, 1, 1)$
 84 : $P_{146} = (0, 1, 1, 1)$
 85 : $P_{166} = (5, 3, 1, 1)$
 86 : $P_{167} = (6, 3, 1, 1)$
 87 : $P_{180} = (3, 5, 1, 1)$
 88 : $P_{183} = (6, 5, 1, 1)$
 89 : $P_{188} = (3, 6, 1, 1)$
 90 : $P_{190} = (5, 6, 1, 1)$
 91 : $P_{203} = (2, 0, 2, 1)$
 92 : $P_{215} = (6, 1, 2, 1)$
 93 : $P_{216} = (7, 1, 2, 1)$
 94 : $P_{217} = (0, 2, 2, 1)$
 95 : $P_{219} = (2, 2, 2, 1)$
 96 : $P_{250} = (1, 6, 2, 1)$
 97 : $P_{256} = (7, 6, 2, 1)$
 98 : $P_{258} = (1, 7, 2, 1)$
 99 : $P_{263} = (6, 7, 2, 1)$
 100 : $P_{268} = (3, 0, 3, 1)$
 101 : $P_{286} = (5, 2, 3, 1)$
 102 : $P_{288} = (7, 2, 3, 1)$

103 : $P_{289} = (0, 3, 3, 1)$
 104 : $P_{292} = (3, 3, 3, 1)$
 105 : $P_{307} = (2, 5, 3, 1)$
 106 : $P_{312} = (7, 5, 3, 1)$
 107 : $P_{323} = (2, 7, 3, 1)$
 108 : $P_{326} = (5, 7, 3, 1)$
 109 : $P_{333} = (4, 0, 4, 1)$
 110 : $P_{339} = (2, 1, 4, 1)$
 111 : $P_{340} = (3, 1, 4, 1)$
 112 : $P_{346} = (1, 2, 4, 1)$
 113 : $P_{348} = (3, 2, 4, 1)$
 114 : $P_{354} = (1, 3, 4, 1)$
 115 : $P_{355} = (2, 3, 4, 1)$
 116 : $P_{361} = (0, 4, 4, 1)$
 117 : $P_{365} = (4, 4, 4, 1)$
 118 : $P_{398} = (5, 0, 5, 1)$
 119 : $P_{413} = (4, 2, 5, 1)$
 120 : $P_{415} = (6, 2, 5, 1)$
 121 : $P_{427} = (2, 4, 5, 1)$
 122 : $P_{431} = (6, 4, 5, 1)$
 123 : $P_{433} = (0, 5, 5, 1)$
 124 : $P_{438} = (5, 5, 5, 1)$

125 : $P_{443} = (2, 6, 5, 1)$
 126 : $P_{445} = (4, 6, 5, 1)$
 127 : $P_{463} = (6, 0, 6, 1)$
 128 : $P_{485} = (4, 3, 6, 1)$
 129 : $P_{488} = (7, 3, 6, 1)$
 130 : $P_{492} = (3, 4, 6, 1)$
 131 : $P_{496} = (7, 4, 6, 1)$
 132 : $P_{505} = (0, 6, 6, 1)$
 133 : $P_{511} = (6, 6, 6, 1)$
 134 : $P_{516} = (3, 7, 6, 1)$
 135 : $P_{517} = (4, 7, 6, 1)$
 136 : $P_{528} = (7, 0, 7, 1)$
 137 : $P_{533} = (4, 1, 7, 1)$
 138 : $P_{534} = (5, 1, 7, 1)$
 139 : $P_{554} = (1, 4, 7, 1)$
 140 : $P_{558} = (5, 4, 7, 1)$
 141 : $P_{562} = (1, 5, 7, 1)$
 142 : $P_{565} = (4, 5, 7, 1)$
 143 : $P_{577} = (0, 7, 7, 1)$
 144 : $P_{584} = (7, 7, 7, 1)$