Rank-69 over GF(64)

January 15, 2021

The equation

The equation of the surface is :

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

(1, 1, 1, 0, 1, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0)
The point rank of the equation over GF(64) is 33824913

General information

Number of lines	65
Number of points	4161
Number of singular points	1
Number of Eckardt points	0
Number of double points	0
Number of single points	4160
Number of points off lines	0
Number of Hesse planes	0
Number of axes	0
Type of points on lines	65^{65}
Type of lines on points	65, 1^{4160}

Singular Points

The surface has 1 singular points:

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

The 65 Lines

The lines and their Pluecker coordinates are:

$$\ell_0 = \begin{bmatrix} 1 & \epsilon^9 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{199727} = \begin{bmatrix} 1 & 47 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{199727} = \mathbf{Pl}(0,0,0,47,1,0)_{18195}$$

$$\ell_1 = \left[\begin{array}{cccc} 1 & \epsilon^{18} & 0 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{49931} = \left[\begin{array}{cccc} 1 & 11 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{49931} = \mathbf{Pl}(0,0,0,11,1,0)_{13623}$$

$$\ell_2 = \left[\begin{array}{cccc} 1 & \epsilon^{36} & 0 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{153956} = \left[\begin{array}{cccc} 1 & 36 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{153956} = \mathbf{Pl}(0,0,0,36,1,0)_{16798}$$

$$\ell_3 = \left[\begin{array}{cccc} 1 & 0 & \epsilon^{9} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{12520448} = \left[\begin{array}{cccc} 1 & 0 & 47 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{12520448} = \mathbf{Pl}(0,47,0,0,1,0)_{4335}$$

$$\ell_4 = \left[\begin{array}{cccc} 1 & 0 & \epsilon^{18} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{2933504} = \left[\begin{array}{cccc} 1 & 0 & 11 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{2933504} = \mathbf{Pl}(0,11,0,0,1,0)_{4299}$$

$$\ell_5 = \left[\begin{array}{cccc} 1 & 0 & \epsilon^{36} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{9591104} = \left[\begin{array}{cccc} 1 & 0 & 36 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{9591104} = \mathbf{Pl}(0,36,0,0,1,0)_{4324}$$

$$\ell_6 = \left[\begin{array}{cccc} 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{17043585} = \left[\begin{array}{cccc} 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{17043585} = \mathbf{Pl}(0,1,0,1,0,0)_{193}$$

$$\ell_7 = \left[\begin{array}{cccc} 1 & \epsilon^{6} & \epsilon^{11} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{8396897} = \left[\begin{array}{cccc} 1 & 33 & 31 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{8396897} = \mathbf{Pl}(0,31,0,33,1,0)_{16511}$$

$$\ell_8 = \left[\begin{array}{cccc} 1 & \epsilon^{12} & \epsilon^{22} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{5321918} = \left[\begin{array}{cccc} 1 & 62 & 19 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{5321918} = \mathbf{Pl}(0,19,0,62,1,0)_{20182}$$

$$\ell_9 = \left[\begin{array}{cccc} 1 & \epsilon^{11} & \epsilon^{35} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{4926623} = \left[\begin{array}{cccc} 1 & 31 & 18 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{4926623} = \mathbf{Pl}(0,18,0,31,1,0)_{16244}$$

$$\ell_{10} = \left[\begin{array}{cccc} 1 & \epsilon^{28} & \epsilon^{25} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{15969917} = \left[\begin{array}{cccc} 1 & 61 & 59 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{15969917} = \mathbf{Pl}(0,59,0,61,1,0)_{20095}$$

$$\ell_{11} = \left[\begin{array}{cccc} 1 & \epsilon^{37} & \epsilon^{3} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{2305193} = \left[\begin{array}{cccc} 1 & 41 & 8 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{2305193} = \mathbf{Pl}(0,8,0,41,1,0)_{17504}$$

$$\ell_{12} = \left[\begin{array}{cccc} 1 & 1 & \epsilon^{9} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{12524609} = \left[\begin{array}{cccc} 1 & 1 & 47 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{12524609} = \mathbf{Pl}(0,47,0,1,1,0)_{12463}$$

$$\ell_{13} = \left[\begin{array}{cccc} 1 & \epsilon^{13} & \epsilon^{22} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{5184605} = \left[\begin{array}{cccc} 1 & 29 & 19 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{5184605} = \mathbf{Pl}(0,19,0,29,1,0)_{15991}$$

$$\ell_{14} = \left[\begin{array}{cccc} 1 & \epsilon^{41} & \epsilon^{50} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{16098908} = \left[\begin{array}{cccc} 1 & 28 & 60 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{16098908} = \mathbf{Pl}(0,60,0,28,1,0)_{15905}$$

$$\ell_{15} = \left[\begin{array}{cccc} 1 & \epsilon^{18} & 1 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{316235} = \left[\begin{array}{cccc} 1 & 11 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{316235} = \mathbf{Pl}(0,1,0,11,1,0)_{13687}$$

$$\ell_{16} = \left[\begin{array}{cccc} 1 & \epsilon^{37} & \epsilon^{19} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{6033449} = \left[\begin{array}{cccc} 1 & 41 & 22 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{6033449} = \mathbf{Pl}(0,22,0,41,1,0)_{17518}$$

$$\ell_{17} = \left[\begin{array}{cccc} 1 & \epsilon^{44} & \epsilon^{26} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{6270626} = \left[\begin{array}{cccc} 1 & 34 & 23 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{6270626} = \mathbf{Pl}(0,23,0,34,1,0)_{16630}$$

$$\ell_{18} = \left[\begin{array}{cccc} 1 & \epsilon^{25} & \epsilon^{28} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{16494203} = \left[\begin{array}{cccc} 1 & 59 & 61 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{16494203} = \mathbf{Pl}(0,61,0,59,1,0)_{19843}$$

$$\ell_{19} = \left[\begin{array}{cccc} 1 & \epsilon^{25} & \epsilon^{48} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{4244219} = \left[\begin{array}{cccc} 1 & 59 & 15 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{4244219} = \mathbf{Pl}(0,15,0,59,1,0)_{19797}$$

$$\ell_{20} = \left[\begin{array}{cccc} 1 & \epsilon^{7} & \epsilon^{22} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{5209571} = \left[\begin{array}{cccc} 1 & 35 & 19 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{5209571} = \mathbf{Pl}(0,19,0,35,1,0)_{16753}$$

$$\ell_{21} = \left[\begin{array}{cccc} 1 & \epsilon^{24} & \epsilon^{44} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{9245741} = \left[\begin{array}{cccc} 1 & 45 & 34 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{9245741} = \mathbf{Pl}(0,34,0,45,1,0)_{18038}$$

$$\ell_{22} = \left[\begin{array}{cccc} 1 & \epsilon^{51} & \epsilon^{29} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{7298393} = \left[\begin{array}{cccc} 1 & 25 & 27 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{7298393} = \mathbf{Pl}(0,27,0,25,1,0)_{15491}$$

$$\ell_{23} = \left[\begin{array}{cccc} 1 & \epsilon^{22} & \epsilon^{7} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{9403859} = \left[\begin{array}{cccc} 1 & 19 & 35 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{9403859} = \mathbf{Pl}(0,35,0,19,1,0)_{14737}$$

$$\ell_{24} = \left[\begin{array}{cccc} 1 & \epsilon^{58} & \epsilon^{39} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1880771} = \left[\begin{array}{cccc} 1 & 3 & 7 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{1880771} = \mathbf{Pl}(0,7,0,3,1,0)_{12677}$$

$$\ell_{25} = \left[\begin{array}{cccc} 1 & \epsilon^{23} & \epsilon^{60} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{3357926} = \left[\begin{array}{cccc} 1 & 38 & 12 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{3357926} = \mathbf{Pl}(0,12,0,38,1,0)_{17127}$$

$$\ell_{26} = \left[\begin{array}{cccc} 1 & \epsilon^{37} & \epsilon^{49} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{8163881} = \left[\begin{array}{cccc} 1 & 41 & 30 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{8163881} = \mathbf{Pl}(0,30,0,41,1,0)_{17526}$$

$$\ell_{27} = \left[\begin{array}{cccc} 1 & \epsilon^{3} & \epsilon^{37} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{10955912} = \left[\begin{array}{cccc} 1 & 8 & 41 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{10955912} = \mathbf{Pl}(0,41,0,8,1,0)_{13346}$$

$$\ell_{28} = \left[\begin{array}{cccc} 1 & \epsilon^{29} & \epsilon^{51} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{6774107} = \left[\begin{array}{cccc} 1 & 27 & 25 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{6774107} = \mathbf{Pl}(0,25,0,27,1,0)_{15743}$$

$$\ell_{29} = \left[\begin{array}{cccc} 1 & \epsilon^{43} & \epsilon^{30} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{14455313} = \left[\begin{array}{cccc} 1 & 17 & 54 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{14455313} = \mathbf{Pl}(0,54,0,17,1,0)_{14502}$$

$$\ell_{30} = \left[\begin{array}{cccc} 1 & \epsilon^{57} & \epsilon^{46} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{11659121} = \left[\begin{array}{cccc} 1 & 49 & 43 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{11659121} = \mathbf{Pl}(0,43,0,49,1,0)_{18555}$$

$$\ell_{31} = \left[\begin{array}{cccc} 1 & \epsilon^{11} & \epsilon^{6} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{8921183} = \left[\begin{array}{cccc} 1 & 31 & 33 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{8921183} = \mathbf{Pl}(0,33,0,31,1,0)_{16259}$$

$$\ell_{32} = \left[\begin{array}{cccc} 1 & \epsilon^{56} & \epsilon^{50} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{16148840} = \left[\begin{array}{cccc} 1 & 40 & 60 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{16148840} = \mathbf{Pl}(0,60,0,40,1,0)_{17429}$$

$$\ell_{33} = \left[\begin{array}{cccc} 1 & \epsilon^{39} & \epsilon^{58} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{832199} = \left[\begin{array}{cccc} 1 & 7 & 3 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{832199} = \mathbf{Pl}(0,3,0,7,1,0)_{13181}$$

$$\ell_{34} = \left[\begin{array}{cccc} 1 & \epsilon^{36} & 1 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{420260} = \left[\begin{array}{cccc} 1 & 36 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{420260} = \mathbf{Pl}(0,1,0,36,1,0)_{16862}$$

$$\ell_{35} = \left[\begin{array}{cccc} 1 & \epsilon^{25} & \epsilon^{52} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{13564859} = \left[\begin{array}{cccc} 1 & 59 & 50 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{13564859} = \mathbf{Pl}(0,50,0,59,1,0)_{19832}$$

$$\ell_{36} = \left[\begin{array}{cccc} 1 & \epsilon^{11} & \epsilon^{38} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{13714655} = \left[\begin{array}{cccc} 1 & 31 & 51 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{13714655} = \mathbf{Pl}(0,51,0,31,1,0)_{16277}$$

$$\ell_{37} = \left[\begin{array}{cccc} 1 & \epsilon^{26} & \epsilon^{44} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{9154199} = \left[\begin{array}{cccc} 1 & 23 & 34 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{9154199} = \mathbf{Pl}(0,34,0,23,1,0)_{15244}$$

$$\ell_{38} = \left[\begin{array}{cccc} 1 & \epsilon^{19} & \epsilon^{37} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{11014166} = \left[\begin{array}{cccc} 1 & 22 & 41 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{11014166} = \mathbf{Pl}(0,41,0,22,1,0)_{15124}$$

$$\ell_{39} = \left[\begin{array}{cccc} 1 & 1 & \epsilon^{18} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{2937665} = \left[\begin{array}{cccc} 1 & 1 & 11 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{2937665} = \mathbf{Pl}(0,11,0,1,1,0)_{12427}$$

$$\ell_{40} = \left[\begin{array}{cccc} 1 & \epsilon^{48} & \epsilon^{25} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{15778511} = \left[\begin{array}{cccc} 1 & 15 & 59 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{15778511} = \mathbf{Pl}(0,59,0,15,1,0)_{14253}$$

$$\ell_{41} = \left[\begin{array}{cccc} 1 & \epsilon^{60} & \epsilon^{23} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{10173644} = \left[\begin{array}{cccc} 1 & 12 & 38 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{10173644} = \mathbf{Pl}(0,38,0,12,1,0)_{13851}$$

$$\ell_{42} = \left[\begin{array}{cccc} 1 & \epsilon^{33} & \epsilon^{50} & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{16198772} = \left[\begin{array}{cccc} 1 & 52 & 60 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{16198772} = \mathbf{Pl}(0,60,0,52,1,0)_{18953}$$

$$\ell_{43} = \begin{bmatrix} 1 & \epsilon^{44} & \epsilon^{24} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12129314} = \begin{bmatrix} 1 & 34 & 45 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12129314} = \mathbf{Pl}(0, 45, 0, 34, 1, 0)_{16652}$$

$$\ell_{44} = \begin{bmatrix} 1 & \epsilon^{35} & \epsilon^{11} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8334482} = \begin{bmatrix} 1 & 18 & 31 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8334482} = \mathbf{Pl}(0, 31, 0, 18, 1, 0)_{14606}$$

$$\ell_{45} = \begin{bmatrix} 1 & 1 & \epsilon^{36} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9595265} = \begin{bmatrix} 1 & 1 & 36 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9595265} = \mathbf{Pl}(0, 36, 0, 1, 1, 0)_{12452}$$

$$\ell_{46} = \begin{bmatrix} 1 & \epsilon^{38} & \epsilon^{11} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8471795} = \begin{bmatrix} 1 & 51 & 31 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8471795} = \mathbf{Pl}(0, 31, 0, 51, 1, 0)_{18797}$$

$$\ell_{47} = \begin{bmatrix} 1 & \epsilon^{52} & \epsilon^{25} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15924146} = \begin{bmatrix} 1 & 50 & 59 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15924146} = \mathbf{Pl}(0, 59, 0, 50, 1, 0)_{18698}$$

$$\ell_{48} = \begin{bmatrix} 1 & \epsilon^{9} & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{466031} = \begin{bmatrix} 1 & 47 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{466031} = \mathbf{Pl}(0, 1, 0, 47, 1, 0)_{18259}$$

$$\ell_{49} = \begin{bmatrix} 1 & \epsilon^{50} & \epsilon^{41} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7710332} = \begin{bmatrix} 1 & 60 & 28 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7710332} = \mathbf{Pl}(0, 28, 0, 60, 1, 0)_{19937}$$

$$\ell_{50} = \begin{bmatrix} 1 & \epsilon^{22} & \epsilon^{13} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7806035} = \begin{bmatrix} 1 & 19 & 29 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7806035} = \mathbf{Pl}(0, 29, 0, 19, 1, 0)_{14731}$$

$$\ell_{51} = \begin{bmatrix} 1 & \epsilon^{50} & \epsilon^{56} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10905980} = \begin{bmatrix} 1 & 60 & 40 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10905980} = \mathbf{Pl}(0, 40, 0, 60, 1, 0)_{19949}$$

$$\ell_{52} = \begin{bmatrix} 1 & \epsilon^{46} & \epsilon^{57} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{13231979} = \begin{bmatrix} 1 & 43 & 49 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{13231979} = \mathbf{Pl}(0, 49, 0, 43, 1, 0)_{17799}$$

$$\ell_{53} = \begin{bmatrix} 1 & \epsilon^{53} & \epsilon^{15} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{5617349} = \begin{bmatrix} 1 & 5 & 21 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{5617349} = \mathbf{Pl}(0, 21, 0, 5, 1, 0)_{12945}$$

$$\ell_{54} = \begin{bmatrix} 1 & \epsilon^{14} & \epsilon^{44} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9299834} = \begin{bmatrix} 1 & 58 & 34 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9299834} = \mathbf{Pl}(0, 34, 0, 58, 1, 0)_{19689}$$

$$\ell_{55} = \begin{bmatrix} 1 & \epsilon^{50} & \epsilon^{33} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{14101628} = \begin{bmatrix} 1 & 60 & 52 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{14101628} = \mathbf{Pl}(0, 52, 0, 60, 1, 0)_{19961}$$

$$\ell_{56} = \begin{bmatrix} 1 & \epsilon^{44} & \epsilon^{14} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15591266} = \begin{bmatrix} 1 & 34 & 58 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15591266} = \mathbf{Pl}(0, 58, 0, 34, 1, 0)_{16665}$$

$$\ell_{57} = \begin{bmatrix} 0 & 1 & \epsilon^{21} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{17047225} = \begin{bmatrix} 0 & 1 & 57 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{17047225} = \mathbf{Pl}(0, 57, 0, 1, 0, 0)_{249}$$

$$\ell_{58} = \begin{bmatrix} 1 & \epsilon^{21} & \epsilon^{42} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15154361} = \begin{bmatrix} 1 & 57 & 56 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15154361} = \mathbf{Pl}(0, 56, 0, 57, 1, 0)_{19584}$$

$$\ell_{59} = \begin{bmatrix} 0 & 1 & \epsilon^{42} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{17047160} = \begin{bmatrix} 0 & 1 & 56 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{17047160} = \mathbf{Pl}(0, 56, 0, 1, 0, 0)_{248}$$

$$\ell_{60} = \begin{bmatrix} 1 & \epsilon^{42} & \epsilon^{21} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15416504} = \begin{bmatrix} 1 & 56 & 57 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15416504} = \mathbf{Pl}(0, 57, 0, 56, 1, 0)_{19458}$$

$$\ell_{61} = \begin{bmatrix} 1 & \epsilon^{15} & \epsilon^{53} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1423061} = \begin{bmatrix} 1 & 21 & 5 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1423061} = \mathbf{Pl}(0, 5, 0, 21, 1, 0)_{14961}$$

$$\ell_{62} = \begin{bmatrix} 1 & \epsilon^{30} & \epsilon^{43} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4756022} = \begin{bmatrix} 1 & 54 & 17 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4756022} = \mathbf{Pl}(0, 17, 0, 54, 1, 0)_{19164}$$

$$\ell_{63} = \begin{bmatrix} 1 & \epsilon^{49} & \epsilon^{37} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{11047454} = \begin{bmatrix} 1 & 30 & 41 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{11047454} = \mathbf{Pl}(0, 41, 0, 30, 1, 0)_{16140}$$

$$\ell_{64} = \begin{bmatrix} 1 & \epsilon^{22} & \epsilon^{12} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{16594067} = \begin{bmatrix} 1 & 19 & 62 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{16594067} = \mathbf{Pl}(0, 62, 0, 19, 1, 0)_{14764}$$

Rank of lines: (199727, 49931, 153956, 12520448, 2933504, 9591104, 17043585, 8396897, 5321918, 4926623, 15969917, 2305193, 12524609, 5184605, 16098908, 316235, 6033449, 6270626, 16494203, 4244219, 5209571, 9245741, 7298393, 9403859, 1880771, 3357926, 8163881, 10955912, 6774107, 14455313, 11659121, 8921183, 16148840, 832199, 420260, 13564859, 13714655, 9154199, 11014166, 2937665, 15778511, 10173644, 16198772, 12129314, 8334482, 9595265, 8471795, 15924146, 466031, 7710332, ...4756022, 11047454, 16594067)
Rank of points on Klein quadric: (18195, 13623, 16798, 4335, 4299, 4324, 193, 16511, 20182, 16244, 20095, 17504, 12463, 15991, 15905, 13687, 17518, 16630, 19843, 19797, 16753, 18038, 15491, 14737, 12677, 17127, 17526, 13346, 15743, 14502, 18555, 16259, 17429, 13181, 16862, 19832, 16277, 15244, 15124, 12427, 14253, 13851, 18953, 16652, 14606, 12452, 18797, 18698, 18259, 19937, ...19164, 16140, 14764)

Eckardt Points

The surface has 0 Eckardt points:

Double Points

The surface has 0 Double points:
The double points on the surface are:

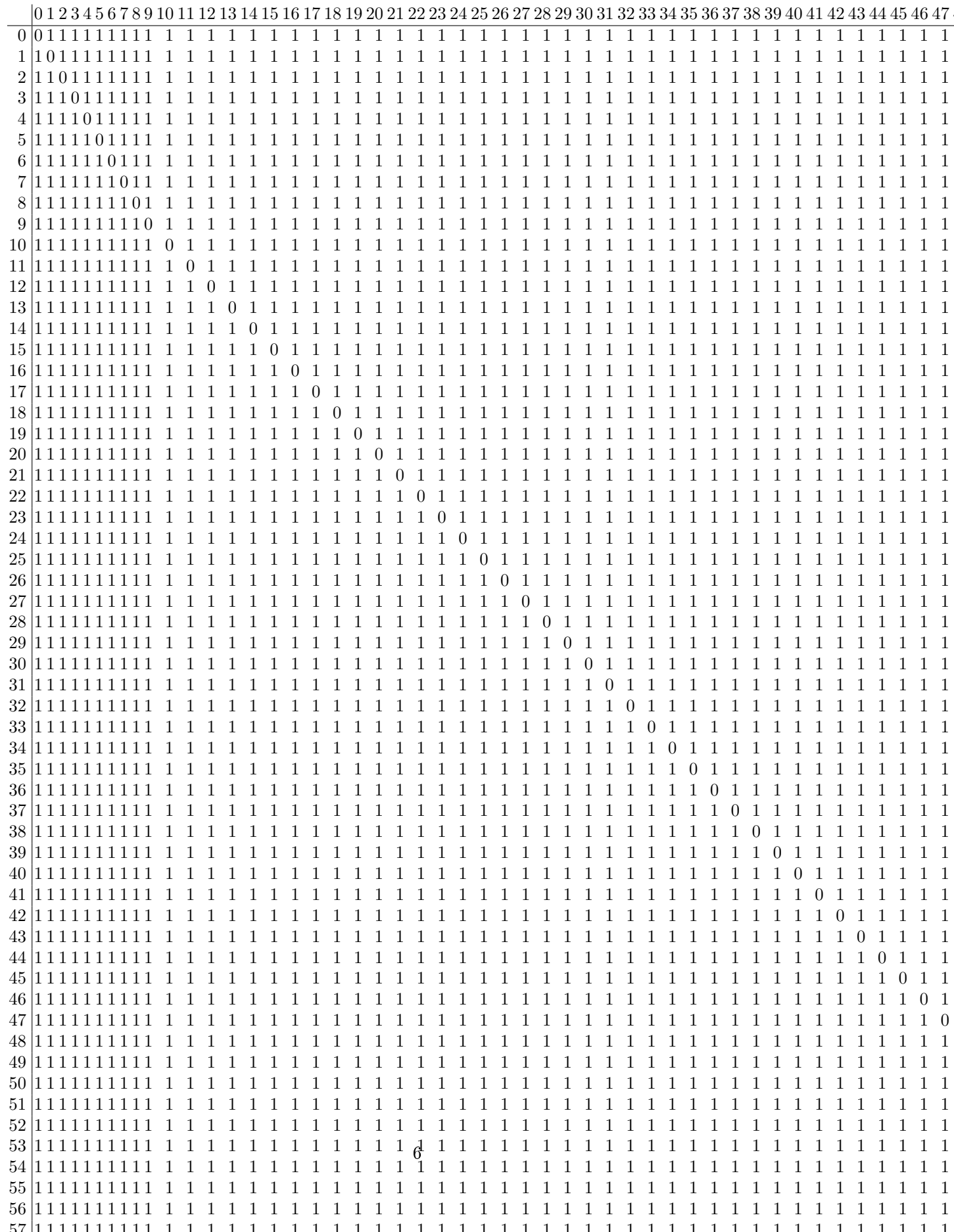
Single Points

The surface has 4160 single points:
Too many to print.

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



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_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	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{22}
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	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{22}
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	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{22}
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	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{22}
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	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{20}	ℓ_{21}	ℓ_{22}
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	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{20}	ℓ_{21}	ℓ_{22}
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	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{20}	ℓ_{21}	ℓ_{22}
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	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{20}	ℓ_{21}	ℓ_{22}
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	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{21}	ℓ_{22}
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	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{21}	ℓ_{22}
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	P_3	P_3	P_3	P_3	P_3

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_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	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{21}	ℓ_{22}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{21}	ℓ_{22}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{21}	ℓ_{22}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{21}	ℓ_{22}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{21}	ℓ_{22}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{21}	ℓ_{22}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{21}	ℓ_{22}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{21}	ℓ_{22}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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_{19}	ℓ_{21}	ℓ_{22}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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_{19}	ℓ_{20}	ℓ_{22}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	P_3

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}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ
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	P_3	P_3	P_3	P_3	P_3	

The surface has 4161 points:
Too many to print.