Rank-4 over GF(8)

January 15, 2021

The equation

The equation of the surface is :

$$X_0^2 X_1 = 0$$

(0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0)
The point rank of the equation over GF(8) is 4

General information

Number of lines	145
Number of points	137
Number of singular points	73
Number of Eckardt points	0
Number of double points	0
Number of single points	0
Number of points off lines	0
Number of Hesse planes	0
Number of axes	0
Type of points on lines	9^{145}
Type of lines on points	$17^9, 9^{128}$

Singular Points

The surface has 73 singular points:

$0 : P_1 = \mathbf{P}(0,1,0,0) = \mathbf{P}(0,1,0,0)$
$1 : P_2 = \mathbf{P}(0,0,1,0) = \mathbf{P}(0,0,1,0)$
$2 : P_3 = \mathbf{P}(0,0,0,1) = \mathbf{P}(0,0,0,1)$
$3 : P_{19} = \mathbf{P}(0,1,1,0) = \mathbf{P}(0,1,1,0)$
$4 : P_{27} = \mathbf{P}(0,\gamma,1,0) = \mathbf{P}(0,2,1,0)$
$5 : P_{35} = \mathbf{P}(0,\gamma^5,1,0) = \mathbf{P}(0,3,1,0)$
$6 : P_{43} = \mathbf{P}(0,\gamma^2,1,0) = \mathbf{P}(0,4,1,0)$
$7 : P_{51} = \mathbf{P}(0,\gamma^3,1,0) = \mathbf{P}(0,5,1,0)$
$8 : P_{59} = \mathbf{P}(0,\gamma^6,1,0) = \mathbf{P}(0,6,1,0)$

$9 : P_{67} = \mathbf{P}(0,\gamma^4,1,0) = \mathbf{P}(0,7,1,0)$
$10 : P_{82} = \mathbf{P}(0,1,0,1) = \mathbf{P}(0,1,0,1)$
$11 : P_{90} = \mathbf{P}(0,\gamma,0,1) = \mathbf{P}(0,2,0,1)$
$12 : P_{98} = \mathbf{P}(0,\gamma^5,0,1) = \mathbf{P}(0,3,0,1)$
$13 : P_{106} = \mathbf{P}(0,\gamma^2,0,1) = \mathbf{P}(0,4,0,1)$
$14 : P_{114} = \mathbf{P}(0,\gamma^3,0,1) = \mathbf{P}(0,5,0,1)$
$15 : P_{122} = \mathbf{P}(0,\gamma^6,0,1) = \mathbf{P}(0,6,0,1)$
$16 : P_{130} = \mathbf{P}(0,\gamma^4,0,1) = \mathbf{P}(0,7,0,1)$
$17 : P_{138} = \mathbf{P}(0,0,1,1) = \mathbf{P}(0,0,1,1)$

$18 : P_{146} = \mathbf{P}(0,1,1,1) = \mathbf{P}(0,1,1,1)$

$19 : P_{153} = \mathbf{P}(0,\gamma,1,1) = \mathbf{P}(0,2,1,1)$

$20 : P_{161} = \mathbf{P}(0,\gamma^5,1,1) = \mathbf{P}(0,3,1,1)$

$21 : P_{169} = \mathbf{P}(0,\gamma^2,1,1) = \mathbf{P}(0,4,1,1)$

$22 : P_{177} = \mathbf{P}(0,\gamma^3,1,1) = \mathbf{P}(0,5,1,1)$

$23 : P_{185} = \mathbf{P}(0,\gamma^6,1,1) = \mathbf{P}(0,6,1,1)$

$24 : P_{193} = \mathbf{P}(0,\gamma^4,1,1) = \mathbf{P}(0,7,1,1)$

$25 : P_{201} = \mathbf{P}(0,0,\gamma,1) = \mathbf{P}(0,0,2,1)$

$26 : P_{209} = \mathbf{P}(0,1,\gamma,1) = \mathbf{P}(0,1,2,1)$

$27 : P_{217} = \mathbf{P}(0,\gamma,\gamma,1) = \mathbf{P}(0,2,2,1)$

$28 : P_{225} = \mathbf{P}(0,\gamma^5,\gamma,1) = \mathbf{P}(0,3,2,1)$

$29 : P_{233} = \mathbf{P}(0,\gamma^2,\gamma,1) = \mathbf{P}(0,4,2,1)$

$30 : P_{241} = \mathbf{P}(0,\gamma^3,\gamma,1) = \mathbf{P}(0,5,2,1)$

$31 : P_{249} = \mathbf{P}(0,\gamma^6,\gamma,1) = \mathbf{P}(0,6,2,1)$

$32 : P_{257} = \mathbf{P}(0,\gamma^4,\gamma,1) = \mathbf{P}(0,7,2,1)$

$33 : P_{265} = \mathbf{P}(0,0,\gamma^5,1) = \mathbf{P}(0,0,3,1)$

$34 : P_{273} = \mathbf{P}(0,1,\gamma^5,1) = \mathbf{P}(0,1,3,1)$

$35 : P_{281} = \mathbf{P}(0,\gamma,\gamma^5,1) = \mathbf{P}(0,2,3,1)$

$36 : P_{289} = \mathbf{P}(0,\gamma^5,\gamma^5,1) = \mathbf{P}(0,3,3,1)$

$37 : P_{297} = \mathbf{P}(0,\gamma^2,\gamma^5,1) = \mathbf{P}(0,4,3,1)$

$38 : P_{305} = \mathbf{P}(0,\gamma^3,\gamma^5,1) = \mathbf{P}(0,5,3,1)$

$39 : P_{313} = \mathbf{P}(0,\gamma^6,\gamma^5,1) = \mathbf{P}(0,6,3,1)$

$40 : P_{321} = \mathbf{P}(0,\gamma^4,\gamma^5,1) = \mathbf{P}(0,7,3,1)$

$41 : P_{329} = \mathbf{P}(0,0,\gamma^2,1) = \mathbf{P}(0,0,4,1)$

$42 : P_{337} = \mathbf{P}(0,1,\gamma^2,1) = \mathbf{P}(0,1,4,1)$

$43 : P_{345} = \mathbf{P}(0,\gamma,\gamma^2,1) = \mathbf{P}(0,2,4,1)$

$44 : P_{353} = \mathbf{P}(0,\gamma^5,\gamma^2,1) = \mathbf{P}(0,3,4,1)$

$45 : P_{361} = \mathbf{P}(0,\gamma^2,\gamma^2,1) = \mathbf{P}(0,4,4,1)$

$46 : P_{369} = \mathbf{P}(0,\gamma^3,\gamma^2,1) = \mathbf{P}(0,5,4,1)$

$47 : P_{377} = \mathbf{P}(0,\gamma^6,\gamma^2,1) = \mathbf{P}(0,6,4,1)$

$48 : P_{385} = \mathbf{P}(0,\gamma^4,\gamma^2,1) = \mathbf{P}(0,7,4,1)$

$49 : P_{393} = \mathbf{P}(0,0,\gamma^3,1) = \mathbf{P}(0,0,5,1)$

$50 : P_{401} = \mathbf{P}(0,1,\gamma^3,1) = \mathbf{P}(0,1,5,1)$

$51 : P_{409} = \mathbf{P}(0,\gamma,\gamma^3,1) = \mathbf{P}(0,2,5,1)$

$52 : P_{417} = \mathbf{P}(0,\gamma^5,\gamma^3,1) = \mathbf{P}(0,3,5,1)$

$53 : P_{425} = \mathbf{P}(0,\gamma^2,\gamma^3,1) = \mathbf{P}(0,4,5,1)$

$54 : P_{433} = \mathbf{P}(0,\gamma^3,\gamma^3,1) = \mathbf{P}(0,5,5,1)$

$55 : P_{441} = \mathbf{P}(0,\gamma^6,\gamma^3,1) = \mathbf{P}(0,6,5,1)$

$56 : P_{449} = \mathbf{P}(0,\gamma^4,\gamma^3,1) = \mathbf{P}(0,7,5,1)$

$57 : P_{457} = \mathbf{P}(0,0,\gamma^6,1) = \mathbf{P}(0,0,6,1)$

$58 : P_{465} = \mathbf{P}(0,1,\gamma^6,1) = \mathbf{P}(0,1,6,1)$

$59 : P_{473} = \mathbf{P}(0,\gamma,\gamma^6,1) = \mathbf{P}(0,2,6,1)$

$60 : P_{481} = \mathbf{P}(0,\gamma^5,\gamma^6,1) = \mathbf{P}(0,3,6,1)$

$61 : P_{489} = \mathbf{P}(0,\gamma^2,\gamma^6,1) = \mathbf{P}(0,4,6,1)$

$62 : P_{497} = \mathbf{P}(0,\gamma^3,\gamma^6,1) = \mathbf{P}(0,5,6,1)$

$63 : P_{505} = \mathbf{P}(0,\gamma^6,\gamma^6,1) = \mathbf{P}(0,6,6,1)$

$64 : P_{513} = \mathbf{P}(0,\gamma^4,\gamma^6,1) = \mathbf{P}(0,7,6,1)$

$65 : P_{521} = \mathbf{P}(0,0,\gamma^4,1) = \mathbf{P}(0,0,7,1)$

$66 : P_{529} = \mathbf{P}(0,1,\gamma^4,1) = \mathbf{P}(0,1,7,1)$

$67 : P_{537} = \mathbf{P}(0,\gamma,\gamma^4,1) = \mathbf{P}(0,2,7,1)$

$68 : P_{545} = \mathbf{P}(0,\gamma^5,\gamma^4,1) = \mathbf{P}(0,3,7,1)$

$69 : P_{553} = \mathbf{P}(0,\gamma^2,\gamma^4,1) = \mathbf{P}(0,4,7,1)$

$70 : P_{561} = \mathbf{P}(0,\gamma^3,\gamma^4,1) = \mathbf{P}(0,5,7,1)$

$71 : P_{569} = \mathbf{P}(0,\gamma^6,\gamma^4,1) = \mathbf{P}(0,6,7,1)$

$72 : P_{577} = \mathbf{P}(0,\gamma^4,\gamma^4,1) = \mathbf{P}(0,7,7,1)$

The 145 Lines

The lines and their Pluecker coordinates are:

$$\ell_0 = \left[\begin{array}{cccc} 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 \end{array} \right]_{64} = \left[\begin{array}{cccc} 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 \end{array} \right]_{64} = \mathbf{Pl}(0,0,1,0,0,0)_2$$

$$\ell_1 = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \end{array} \right]_{4672} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \end{array} \right]_{4672} = \mathbf{Pl}(0,0,0,0,0,1)_{649}$$

$$\ell_2 = \left[\begin{array}{cccc} 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{array} \right]_{72} = \left[\begin{array}{cccc} 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{array} \right]_{72} = \mathbf{Pl}(0,0,0,0,1,0)_{81}$$

$$\ell_3 = \left[\begin{array}{cccc} 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 1 \end{array} \right]_{65} = \left[\begin{array}{cccc} 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 1 \end{array} \right]_{65} = \mathbf{Pl}(0,0,1,0,1,0)_{96}$$

$$\ell_4 = \left[\begin{array}{cccc} 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & \gamma^6 \end{array} \right]_{70} = \left[\begin{array}{cccc} 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 6 \end{array} \right]_{70} = \mathbf{Pl}(0,0,2,0,1,0)_{111}$$

$$\ell_5 = \left[\begin{array}{cccc} 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & \gamma^2 \end{array} \right]_{68} = \left[\begin{array}{cccc} 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 4 \end{array} \right]_{68} = \mathbf{Pl}(0,0,3,0,1,0)_{126}$$

$$\ell_6 = \left[\begin{array}{cccc} 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & \gamma^5 \end{array} \right]_{67} = \left[\begin{array}{cccc} 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 3 \end{array} \right]_{67} = \mathbf{Pl}(0,0,4,0,1,0)_{141}$$

$$\ell_7 = \left[\begin{array}{cccc} 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & \gamma^4 \end{array} \right]_{71} = \left[\begin{array}{cccc} 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 7 \end{array} \right]_{71} = \mathbf{Pl}(0,0,5,0,1,0)_{156}$$

$$\ell_8 = \left[\begin{array}{cccc} 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & \gamma \end{array}\right]_{66} = \left[\begin{array}{cccc} 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 2 \end{array}\right]_{66} = \mathbf{Pl}(0,0,6,0,1,0)_{171}$$

$$\ell_9 = \left[\begin{array}{cccc} 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & \gamma^3 \end{array}\right]_{69} = \left[\begin{array}{cccc} 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 5 \end{array}\right]_{69} = \mathbf{Pl}(0,0,7,0,1,0)_{186}$$

$$\ell_{10} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{4680} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{4680} = \mathbf{Pl}(0,0,0,1,0,0)_{17}$$

$$\ell_{11} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 1 \end{array}\right]_{4673} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 1 \end{array}\right]_{4673} = \mathbf{Pl}(0,0,0,1,0,1)_{769}$$

$$\ell_{12} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \gamma^6 \end{array}\right]_{4678} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 6 \end{array}\right]_{4678} = \mathbf{Pl}(0,0,0,6,0,1)_{844}$$

$$\ell_{13} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \gamma^2 \end{array}\right]_{4676} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 4 \end{array}\right]_{4676} = \mathbf{Pl}(0,0,0,4,0,1)_{814}$$

$$\ell_{14} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \gamma^5 \end{array}\right]_{4675} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 3 \end{array}\right]_{4675} = \mathbf{Pl}(0,0,0,3,0,1)_{799}$$

$$\ell_{15} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \gamma^4 \end{array}\right]_{4679} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 7 \end{array}\right]_{4679} = \mathbf{Pl}(0,0,0,7,0,1)_{859}$$

$$\ell_{16} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \gamma \end{array}\right]_{4674} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 2 \end{array}\right]_{4674} = \mathbf{Pl}(0,0,0,2,0,1)_{784}$$

$$\ell_{17} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & \gamma^3 \end{array}\right]_{4677} = \left[\begin{array}{cccc} 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 5 \end{array}\right]_{4677} = \mathbf{Pl}(0,0,0,5,0,1)_{829}$$

$$\ell_{18} = \left[\begin{array}{cccc} 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{4744} = \left[\begin{array}{cccc} 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{array}\right]_{4744} = \mathbf{Pl}(0,1,0,0,0,0)_{1}$$

$$\ell_{19} = \left[\begin{array}{cccc} 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 \end{array}\right]_{648} = \left[\begin{array}{cccc} 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 \end{array}\right]_{648} = \mathbf{Pl}(0,1,1,0,0,0)_{10}$$

$$\ell_{20} = \left[\begin{array}{cccc} 1 & 0 & 0 & \gamma^6 \\ 0 & 0 & 1 & 0 \end{array}\right]_{3568} = \left[\begin{array}{cccc} 1 & 0 & 0 & 6 \\ 0 & 0 & 1 & 0 \end{array}\right]_{3568} = \mathbf{Pl}(0,6,1,0,0,0)_{15}$$

$$\ell_{21} = \left[\begin{array}{cccc} 1 & 0 & 0 & \gamma^2 \\ 0 & 0 & 1 & 0 \end{array}\right]_{2400} = \left[\begin{array}{cccc} 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 0 \end{array}\right]_{2400} = \mathbf{Pl}(0,4,1,0,0,0)_{13}$$

$$\ell_{22} = \left[\begin{array}{cccc} 1 & 0 & 0 & \gamma^5 \\ 0 & 0 & 1 & 0 \end{array}\right]_{1816} = \left[\begin{array}{cccc} 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 0 \end{array}\right]_{1816} = \mathbf{Pl}(0,3,1,0,0,0)_{12}$$

$$\ell_{23} = \left[\begin{array}{cccc} 1 & 0 & 0 & \gamma^4 \\ 0 & 0 & 1 & 0 \end{array}\right]_{4152} = \left[\begin{array}{cccc} 1 & 0 & 0 & 7 \\ 0 & 0 & 1 & 0 \end{array}\right]_{4152} = \mathbf{Pl}(0,7,1,0,0,0)_{16}$$

$$\ell_{24} = \left[\begin{array}{cccc} 1 & 0 & 0 & \gamma \\ 0 & 0 & 1 & 0 \end{array}\right]_{1232} = \left[\begin{array}{cccc} 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 0 \end{array}\right]_{1232} = \mathbf{Pl}(0,2,1,0,0,0)_{11}$$

$$\ell_{25} = \left[\begin{array}{cccc} 1 & 0 & 0 & \gamma^3 \\ 0 & 0 & 1 & 0 \end{array}\right]_{2984} = \left[\begin{array}{cccc} 1 & 0 & 0 & 5 \\ 0 & 0 & 1 & 0 \end{array}\right]_{2984} = \mathbf{Pl}(0,5,1,0,0,0)_{14}$$

$$\ell_{26} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 0 \end{array}\right]_{4681} = \left[\begin{array}{cccc} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 0 \end{array}\right]_{4681} = \mathbf{Pl}(0,1,0,0,0,1)_{657}$$

$$\ell_{27} = \left[\begin{array}{cccc} 0 & 1 & 0 & \gamma^6 \\ 0 & 0 & 1 & 0 \end{array}\right]_{4726} = \left[\begin{array}{cccc} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 0 \end{array}\right]_{4726} = \mathbf{Pl}(0,6,0,0,0,1)_{662}$$

$$\ell_{28} = \left[\begin{array}{cccc} 0 & 1 & 0 & \gamma^2 \\ 0 & 0 & 1 & 0 \end{array}\right]_{4708} = \left[\begin{array}{cccc} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 0 \end{array}\right]_{4708} = \mathbf{Pl}(0,4,0,0,0,1)_{660}$$

$$\ell_{29} = \begin{bmatrix} 0 & 1 & 0 & \gamma^5 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{4699} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{4699} = \mathbf{Pl}(0,3,0,0,0,1)_{659}$$

$$\ell_{30} = \begin{bmatrix} 0 & 1 & 0 & \gamma^4 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{4735} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{4735} = \mathbf{Pl}(0,7,0,0,0,1)_{663}$$

$$\ell_{31} = \begin{bmatrix} 0 & 1 & 0 & \gamma \\ 0 & 0 & 1 & 0 \end{bmatrix}_{4690} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{4690} = \mathbf{Pl}(0,2,0,0,0,1)_{658}$$

$$\ell_{32} = \begin{bmatrix} 0 & 1 & 0 & \gamma^3 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{4717} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 0 \end{bmatrix}_{4717} = \mathbf{Pl}(0,5,0,0,0,1)_{661}$$

$$\ell_{33} = \begin{bmatrix} 1 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{656} = \begin{bmatrix} 1 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{656} = \mathbf{Pl}(0,1,0,0,1,0)_{89}$$

$$\ell_{34} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{649} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{649} = \mathbf{Pl}(0,1,1,0,1,0)_{104}$$

$$\ell_{35} = \begin{bmatrix} 1 & 0 & 0 & \gamma^6 \\ 0 & 0 & 1 & \gamma^6 \end{bmatrix}_{3574} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{3574} = \mathbf{Pl}(0,1,2,0,1,0)_{119}$$

$$\ell_{36} = \begin{bmatrix} 1 & 0 & 0 & \gamma^2 \\ 0 & 0 & 1 & \gamma^2 \end{bmatrix}_{2404} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{2404} = \mathbf{Pl}(0,1,3,0,1,0)_{134}$$

$$\ell_{37} = \begin{bmatrix} 1 & 0 & 0 & \gamma^5 \\ 0 & 0 & 1 & \gamma^5 \end{bmatrix}_{1819} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{1819} = \mathbf{Pl}(0,1,4,0,1,0)_{149}$$

$$\ell_{38} = \begin{bmatrix} 1 & 0 & 0 & \gamma^4 \\ 0 & 0 & 1 & \gamma^4 \end{bmatrix}_{4159} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{4159} = \mathbf{Pl}(0,1,5,0,1,0)_{164}$$

$$\ell_{39} = \begin{bmatrix} 1 & 0 & 0 & \gamma \\ 0 & 0 & 1 & \gamma \end{bmatrix}_{1234} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{1234} = \mathbf{Pl}(0,1,6,0,1,0)_{179}$$

$$\ell_{40} = \begin{bmatrix} 1 & 0 & 0 & \gamma^3 \\ 0 & 0 & 1 & \gamma^3 \end{bmatrix}_{2989} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{2989} = \mathbf{Pl}(0,1,7,0,1,0)_{194}$$

$$\ell_{41} = \begin{bmatrix} 1 & 0 & \gamma^6 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{3576} = \begin{bmatrix} 1 & 0 & 6 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{3576} = \mathbf{Pl}(0,6,0,0,1,0)_{94}$$

$$\ell_{42} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & \gamma \end{bmatrix}_{650} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{650} = \mathbf{Pl}(0,6,6,0,1,0)_{184}$$

$$\ell_{43} = \begin{bmatrix} 1 & 0 & 0 & \gamma^6 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{3569} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{3569} = \mathbf{Pl}(0,6,1,0,1,0)_{109}$$

$$\ell_{44} = \begin{bmatrix} 1 & 0 & 0 & \gamma^2 \\ 0 & 0 & 1 & \gamma^3 \end{bmatrix}_{2405} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{2405} = \mathbf{Pl}(0,6,7,0,1,0)_{199}$$

$$\ell_{45} = \begin{bmatrix} 1 & 0 & 0 & \gamma^5 \\ 0 & 0 & 1 & \gamma^6 \end{bmatrix}_{1822} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1822} = \mathbf{Pl}(0,6,2,0,1,0)_{124}$$

$$\ell_{46} = \begin{bmatrix} 1 & 0 & 0 & \gamma^4 \\ 0 & 0 & 1 & \gamma^5 \end{bmatrix}_{4155} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{4155} = \mathbf{Pl}(0,6,4,0,1,0)_{154}$$

$$\ell_{47} = \begin{bmatrix} 1 & 0 & 0 & \gamma \\ 0 & 0 & 1 & \gamma^2 \end{bmatrix}_{1236} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{1236} = \mathbf{Pl}(0,6,3,0,1,0)_{139}$$

$$\ell_{48} = \begin{bmatrix} 1 & 0 & 0 & \gamma^3 \\ 0 & 0 & 1 & \gamma^4 \end{bmatrix}_{2991} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{2991} = \mathbf{Pl}(0,6,5,0,1,0)_{169}$$

$$\ell_{49} = \begin{bmatrix} 1 & 0 & \gamma^2 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2408} = \begin{bmatrix} 1 & 0 & 4 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2408} = \mathbf{Pl}(0,4,0,0,1,0)_{92}$$

4

$$\ell_{50} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & \gamma^5 \end{bmatrix}_{651} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{651} = \mathbf{Pl}(0,4,4,0,1,0)_{152}$$

$$\ell_{51} = \begin{bmatrix} 1 & 0 & 0 & \gamma^6 \\ 0 & 0 & 1 & \gamma^4 \end{bmatrix}_{3575} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{3575} = \mathbf{Pl}(0,4,5,0,1,0)_{167}$$

$$\ell_{52} = \begin{bmatrix} 1 & 0 & 0 & \gamma^2 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{2401} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{2401} = \mathbf{Pl}(0,4,1,0,1,0)_{107}$$

$$\ell_{53} = \begin{bmatrix} 1 & 0 & 0 & \gamma^5 \\ 0 & 0 & 1 & \gamma^3 \end{bmatrix}_{1821} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1821} = \mathbf{Pl}(0,4,7,0,1,0)_{197}$$

$$\ell_{54} = \begin{bmatrix} 1 & 0 & 0 & \gamma^4 \\ 0 & 0 & 1 & \gamma^2 \end{bmatrix}_{4156} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{4156} = \mathbf{Pl}(0,4,3,0,1,0)_{137}$$

$$\ell_{55} = \begin{bmatrix} 1 & 0 & 0 & \gamma \\ 0 & 0 & 1 & \gamma^6 \end{bmatrix}_{1238} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{1238} = \mathbf{Pl}(0,4,2,0,1,0)_{122}$$

$$\ell_{56} = \begin{bmatrix} 1 & 0 & 0 & \gamma^3 \\ 0 & 0 & 1 & \gamma \end{bmatrix}_{2986} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{2986} = \mathbf{Pl}(0,4,6,0,1,0)_{182}$$

$$\ell_{57} = \begin{bmatrix} 1 & 0 & \gamma^5 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1824} = \begin{bmatrix} 1 & 0 & 3 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1824} = \mathbf{Pl}(0,3,0,0,1,0)_{91}$$

$$\ell_{58} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & \gamma^2 \end{bmatrix}_{652} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{652} = \mathbf{Pl}(0,3,3,0,1,0)_{136}$$

$$\ell_{59} = \begin{bmatrix} 1 & 0 & 0 & \gamma^6 \\ 0 & 0 & 1 & \gamma \end{bmatrix}_{3570} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{3570} = \mathbf{Pl}(0,3,6,0,1,0)_{181}$$

$$\ell_{60} = \begin{bmatrix} 1 & 0 & 0 & \gamma^2 \\ 0 & 0 & 1 & \gamma^4 \end{bmatrix}_{2407} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{2407} = \mathbf{Pl}(0,3,5,0,1,0)_{166}$$

$$\ell_{61} = \begin{bmatrix} 1 & 0 & 0 & \gamma^5 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1817} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1817} = \mathbf{Pl}(0,3,1,0,1,0)_{106}$$

$$\ell_{62} = \begin{bmatrix} 1 & 0 & 0 & \gamma^4 \\ 0 & 0 & 1 & \gamma^6 \end{bmatrix}_{4158} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{4158} = \mathbf{Pl}(0,3,2,0,1,0)_{121}$$

$$\ell_{63} = \begin{bmatrix} 1 & 0 & 0 & \gamma \\ 0 & 0 & 1 & \gamma^3 \end{bmatrix}_{1237} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{1237} = \mathbf{Pl}(0,3,7,0,1,0)_{196}$$

$$\ell_{64} = \begin{bmatrix} 1 & 0 & 0 & \gamma^3 \\ 0 & 0 & 1 & \gamma^5 \end{bmatrix}_{2987} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{2987} = \mathbf{Pl}(0,3,4,0,1,0)_{151}$$

$$\ell_{65} = \begin{bmatrix} 1 & 0 & \gamma^4 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4160} = \begin{bmatrix} 1 & 0 & 7 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4160} = \mathbf{Pl}(0,7,0,0,1,0)_{95}$$

$$\ell_{66} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & \gamma^3 \end{bmatrix}_{653} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{653} = \mathbf{Pl}(0,7,7,0,1,0)_{200}$$

$$\ell_{67} = \begin{bmatrix} 1 & 0 & 0 & \gamma^6 \\ 0 & 0 & 1 & \gamma^2 \end{bmatrix}_{3572} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{3572} = \mathbf{Pl}(0,7,3,0,1,0)_{140}$$

$$\ell_{68} = \begin{bmatrix} 1 & 0 & 0 & \gamma^2 \\ 0 & 0 & 1 & \gamma^5 \end{bmatrix}_{2403} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{2403} = \mathbf{Pl}(0,7,4,0,1,0)_{155}$$

$$\ell_{69} = \begin{bmatrix} 1 & 0 & 0 & \gamma^5 \\ 0 & 0 & 1 & \gamma \end{bmatrix}_{1818} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{1818} = \mathbf{Pl}(0,7,6,0,1,0)_{185}$$

$$\ell_{70} = \begin{bmatrix} 1 & 0 & 0 & \gamma^4 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{4153} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{4153} = \mathbf{Pl}(0,7,1,0,1,0)_{110}$$

$$\ell_{71} = \begin{bmatrix} 1 & 0 & 0 & \gamma \\ 0 & 0 & 1 & \gamma^4 \end{bmatrix}_{1239} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{1239} = \mathbf{Pl}(0,7,5,0,1,0)_{170}$$

$$\ell_{72} = \begin{bmatrix} 1 & 0 & 0 & \gamma^3 \\ 0 & 0 & 1 & \gamma^6 \end{bmatrix}_{2990} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{2990} = \mathbf{Pl}(0,7,2,0,1,0)_{125}$$

$$\ell_{73} = \begin{bmatrix} 1 & 0 & \gamma & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1240} = \begin{bmatrix} 1 & 0 & 2 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1240} = \mathbf{Pl}(0,2,0,0,1,0)_{90}$$

$$\ell_{74} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & \gamma^6 \end{bmatrix}_{654} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{654} = \mathbf{Pl}(0,2,2,0,1,0)_{120}$$

$$\ell_{75} = \begin{bmatrix} 1 & 0 & 0 & \gamma^6 \\ 0 & 0 & 1 & \gamma^5 \end{bmatrix}_{3571} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{3571} = \mathbf{Pl}(0,2,4,0,1,0)_{150}$$

$$\ell_{76} = \begin{bmatrix} 1 & 0 & 0 & \gamma^2 \\ 0 & 0 & 1 & \gamma \end{bmatrix}_{2402} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{2402} = \mathbf{Pl}(0,2,6,0,1,0)_{180}$$

$$\ell_{77} = \begin{bmatrix} 1 & 0 & 0 & \gamma^5 \\ 0 & 0 & 1 & \gamma^4 \end{bmatrix}_{1823} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{1823} = \mathbf{Pl}(0,2,5,0,1,0)_{165}$$

$$\ell_{78} = \begin{bmatrix} 1 & 0 & 0 & \gamma^4 \\ 0 & 0 & 1 & \gamma^3 \end{bmatrix}_{4157} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{4157} = \mathbf{Pl}(0,2,7,0,1,0)_{195}$$

$$\ell_{79} = \begin{bmatrix} 1 & 0 & 0 & \gamma \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1233} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{1233} = \mathbf{Pl}(0,2,1,0,1,0)_{105}$$

$$\ell_{80} = \begin{bmatrix} 1 & 0 & 0 & \gamma^3 \\ 0 & 0 & 1 & \gamma^2 \end{bmatrix}_{2988} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{2988} = \mathbf{Pl}(0,2,3,0,1,0)_{135}$$

$$\ell_{81} = \begin{bmatrix} 1 & 0 & \gamma^3 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2992} = \begin{bmatrix} 1 & 0 & 5 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2992} = \mathbf{Pl}(0,5,0,0,1,0)_{93}$$

$$\ell_{82} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & \gamma^4 \end{bmatrix}_{655} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{655} = \mathbf{Pl}(0,5,5,0,1,0)_{168}$$

$$\ell_{83} = \begin{bmatrix} 1 & 0 & 0 & \gamma^6 \\ 0 & 0 & 1 & \gamma^3 \end{bmatrix}_{3573} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{3573} = \mathbf{Pl}(0,5,7,0,1,0)_{198}$$

$$\ell_{84} = \begin{bmatrix} 1 & 0 & 0 & \gamma^2 \\ 0 & 0 & 1 & \gamma^6 \end{bmatrix}_{2406} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{2406} = \mathbf{Pl}(0,5,2,0,1,0)_{123}$$

$$\ell_{85} = \begin{bmatrix} 1 & 0 & 0 & \gamma^5 \\ 0 & 0 & 1 & \gamma^2 \end{bmatrix}_{1820} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{1820} = \mathbf{Pl}(0,5,3,0,1,0)_{138}$$

$$\ell_{86} = \begin{bmatrix} 1 & 0 & 0 & \gamma^4 \\ 0 & 0 & 1 & \gamma \end{bmatrix}_{4154} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{4154} = \mathbf{Pl}(0,5,6,0,1,0)_{183}$$

$$\ell_{87} = \begin{bmatrix} 1 & 0 & 0 & \gamma \\ 0 & 0 & 1 & \gamma^5 \end{bmatrix}_{1235} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{1235} = \mathbf{Pl}(0,5,4,0,1,0)_{153}$$

$$\ell_{88} = \begin{bmatrix} 1 & 0 & 0 & \gamma^3 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{2985} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{2985} = \mathbf{Pl}(0,5,1,0,1,0)_{108}$$

$$\ell_{89} = \begin{bmatrix} 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4689} = \begin{bmatrix} 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4689} = \mathbf{Pl}(0,1,0,1,0,0)_{25}$$

$$\ell_{90} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{4682} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{4682} = \mathbf{Pl}(0,1,0,1,0,1)_{777}$$

$$\ell_{91} = \begin{bmatrix} 0 & 1 & 0 & \gamma^6 \\ 0 & 0 & 1 & \gamma^6 \end{bmatrix}_{4732} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{4732} = \mathbf{Pl}(0,6,0,6,0,1)_{857}$$

$$\ell_{92} = \begin{bmatrix} 0 & 1 & 0 & \gamma^2 \\ 0 & 0 & 1 & \gamma^2 \end{bmatrix}_{4712} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{4712} = \mathbf{Pl}(0,4,0,4,0,1)_{825}$$

$$\ell_{93} = \begin{bmatrix} 0 & 1 & 0 & \gamma^5 \\ 0 & 0 & 1 & \gamma^5 \end{bmatrix}_{4702} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{4702} = \mathbf{Pl}(0,3,0,3,0,1)_{809}$$

$$\ell_{94} = \begin{bmatrix} 0 & 1 & 0 & \gamma^4 \\ 0 & 0 & 1 & \gamma^4 \end{bmatrix}_{4742} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{4742} = \mathbf{Pl}(0,7,0,7,0,1)_{873}$$

$$\ell_{95} = \begin{bmatrix} 0 & 1 & 0 & \gamma \\ 0 & 0 & 1 & \gamma \end{bmatrix}_{4692} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{4692} = \mathbf{Pl}(0,2,0,2,0,1)_{793}$$

$$\ell_{96} = \begin{bmatrix} 0 & 1 & 0 & \gamma^3 \\ 0 & 0 & 1 & \gamma^3 \end{bmatrix}_{4722} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{4722} = \mathbf{Pl}(0,5,0,5,0,1)_{841}$$

$$\ell_{97} = \begin{bmatrix} 0 & 1 & \gamma^6 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4734} = \begin{bmatrix} 0 & 1 & 6 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4734} = \mathbf{Pl}(0,6,0,1,0,0)_{30}$$

$$\ell_{98} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \gamma \end{bmatrix}_{4683} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{4683} = \mathbf{Pl}(0,1,0,2,0,1)_{792}$$

$$\ell_{99} = \begin{bmatrix} 0 & 1 & 0 & \gamma^6 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{4727} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{4727} = \mathbf{Pl}(0,6,0,1,0,1)_{782}$$

$$\ell_{100} = \begin{bmatrix} 0 & 1 & 0 & \gamma^2 \\ 0 & 0 & 1 & \gamma^3 \end{bmatrix}_{4713} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{4713} = \mathbf{Pl}(0,4,0,5,0,1)_{840}$$

$$\ell_{101} = \begin{bmatrix} 0 & 1 & 0 & \gamma^5 \\ 0 & 0 & 1 & \gamma^6 \end{bmatrix}_{4705} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{4705} = \mathbf{Pl}(0,3,0,6,0,1)_{854}$$

$$\ell_{102} = \begin{bmatrix} 0 & 1 & 0 & \gamma^4 \\ 0 & 0 & 1 & \gamma^5 \end{bmatrix}_{4738} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{4738} = \mathbf{Pl}(0,7,0,3,0,1)_{813}$$

$$\ell_{103} = \begin{bmatrix} 0 & 1 & 0 & \gamma \\ 0 & 0 & 1 & \gamma^2 \end{bmatrix}_{4694} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{4694} = \mathbf{Pl}(0,2,0,4,0,1)_{823}$$

$$\ell_{104} = \begin{bmatrix} 0 & 1 & 0 & \gamma^3 \\ 0 & 0 & 1 & \gamma^4 \end{bmatrix}_{4724} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{4724} = \mathbf{Pl}(0,5,0,7,0,1)_{871}$$

$$\ell_{105} = \begin{bmatrix} 0 & 1 & \gamma^2 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4716} = \begin{bmatrix} 0 & 1 & 4 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4716} = \mathbf{Pl}(0,4,0,1,0,0)_{28}$$

$$\ell_{106} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \gamma^5 \end{bmatrix}_{4684} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{4684} = \mathbf{Pl}(0,1,0,3,0,1)_{807}$$

$$\ell_{107} = \begin{bmatrix} 0 & 1 & 0 & \gamma^6 \\ 0 & 0 & 1 & \gamma^4 \end{bmatrix}_{4733} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{4733} = \mathbf{Pl}(0,6,0,7,0,1)_{872}$$

$$\ell_{108} = \begin{bmatrix} 0 & 1 & 0 & \gamma^2 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{4709} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{4709} = \mathbf{Pl}(0,4,0,1,0,1)_{780}$$

$$\ell_{109} = \begin{bmatrix} 0 & 1 & 0 & \gamma^5 \\ 0 & 0 & 1 & \gamma^3 \end{bmatrix}_{4704} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{4704} = \mathbf{Pl}(0,3,0,5,0,1)_{839}$$

$$\ell_{110} = \begin{bmatrix} 0 & 1 & 0 & \gamma^4 \\ 0 & 0 & 1 & \gamma^2 \end{bmatrix}_{4739} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{4739} = \mathbf{Pl}(0,7,0,4,0,1)_{828}$$

$$\ell_{111} = \begin{bmatrix} 0 & 1 & 0 & \gamma \\ 0 & 0 & 1 & \gamma^6 \end{bmatrix}_{4696} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{4696} = \mathbf{Pl}(0,2,0,6,0,1)_{853}$$

$$\ell_{112} = \begin{bmatrix} 0 & 1 & 0 & \gamma^3 \\ 0 & 0 & 1 & \gamma \end{bmatrix}_{4719} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{4719} = \mathbf{Pl}(0,5,0,2,0,1)_{796}$$

$$\ell_{113} = \begin{bmatrix} 0 & 1 & \gamma^5 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4707} = \begin{bmatrix} 0 & 1 & 3 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4707} = \mathbf{Pl}(0,3,0,1,0,0)_{27}$$

$$\ell_{114} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \gamma^2 \end{bmatrix}_{4685} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{4685} = \mathbf{Pl}(0,1,0,4,0,1)_{822}$$

$$\ell_{115} = \begin{bmatrix} 0 & 1 & 0 & \gamma^6 \\ 0 & 0 & 1 & \gamma \end{bmatrix}_{4728} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{4728} = \mathbf{Pl}(0,6,0,2,0,1)_{797}$$

$$\ell_{116} = \begin{bmatrix} 0 & 1 & 0 & \gamma^2 \\ 0 & 0 & 1 & \gamma^4 \end{bmatrix}_{4715} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{4715} = \mathbf{Pl}(0,4,0,7,0,1)_{870}$$

$$\ell_{117} = \begin{bmatrix} 0 & 1 & 0 & \gamma^5 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{4700} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{4700} = \mathbf{Pl}(0,3,0,1,0,1)_{779}$$

$$\ell_{118} = \begin{bmatrix} 0 & 1 & 0 & \gamma^4 \\ 0 & 0 & 1 & \gamma^6 \end{bmatrix}_{4741} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{4741} = \mathbf{Pl}(0,7,0,6,0,1)_{858}$$

$$\ell_{119} = \begin{bmatrix} 0 & 1 & 0 & \gamma \\ 0 & 0 & 1 & \gamma^3 \end{bmatrix}_{4695} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{4695} = \mathbf{Pl}(0,2,0,5,0,1)_{838}$$

$$\ell_{120} = \begin{bmatrix} 0 & 1 & 0 & \gamma^3 \\ 0 & 0 & 1 & \gamma^5 \end{bmatrix}_{4720} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{4720} = \mathbf{Pl}(0,5,0,3,0,1)_{811}$$

$$\ell_{121} = \begin{bmatrix} 0 & 1 & \gamma^4 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4743} = \begin{bmatrix} 0 & 1 & 7 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4743} = \mathbf{Pl}(0,7,0,1,0,0)_{31}$$

$$\ell_{122} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \gamma^3 \end{bmatrix}_{4686} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{4686} = \mathbf{Pl}(0,1,0,5,0,1)_{837}$$

$$\ell_{123} = \begin{bmatrix} 0 & 1 & 0 & \gamma^6 \\ 0 & 0 & 1 & \gamma^2 \end{bmatrix}_{4730} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{4730} = \mathbf{Pl}(0,6,0,4,0,1)_{827}$$

$$\ell_{124} = \begin{bmatrix} 0 & 1 & 0 & \gamma^2 \\ 0 & 0 & 1 & \gamma^5 \end{bmatrix}_{4711} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{4711} = \mathbf{Pl}(0,4,0,3,0,1)_{810}$$

$$\ell_{125} = \begin{bmatrix} 0 & 1 & 0 & \gamma^5 \\ 0 & 0 & 1 & \gamma \end{bmatrix}_{4701} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{4701} = \mathbf{Pl}(0,3,0,2,0,1)_{794}$$

$$\ell_{126} = \begin{bmatrix} 0 & 1 & 0 & \gamma^4 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{4736} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{4736} = \mathbf{Pl}(0,7,0,1,0,1)_{783}$$

$$\ell_{127} = \begin{bmatrix} 0 & 1 & 0 & \gamma \\ 0 & 0 & 1 & \gamma^4 \end{bmatrix}_{4697} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{4697} = \mathbf{Pl}(0,2,0,7,0,1)_{868}$$

$$\ell_{128} = \begin{bmatrix} 0 & 1 & 0 & \gamma^3 \\ 0 & 0 & 1 & \gamma^6 \end{bmatrix}_{4723} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{4723} = \mathbf{Pl}(0,5,0,6,0,1)_{856}$$

$$\ell_{129} = \begin{bmatrix} 0 & 1 & \gamma & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4698} = \begin{bmatrix} 0 & 1 & 2 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4698} = \mathbf{Pl}(0,2,0,1,0,0)_{26}$$

$$\ell_{130} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \gamma^6 \end{bmatrix}_{4687} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{4687} = \mathbf{Pl}(0,1,0,6,0,1)_{852}$$

$$\ell_{131} = \begin{bmatrix} 0 & 1 & 0 & \gamma^6 \\ 0 & 0 & 1 & \gamma^5 \end{bmatrix}_{4729} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{4729} = \mathbf{Pl}(0,6,0,3,0,1)_{812}$$

$$\ell_{132} = \begin{bmatrix} 0 & 1 & 0 & \gamma^2 \\ 0 & 0 & 1 & \gamma \end{bmatrix}_{4710} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{4710} = \mathbf{Pl}(0,4,0,2,0,1)_{795}$$

$$\ell_{133} = \begin{bmatrix} 0 & 1 & 0 & \gamma^5 \\ 0 & 0 & 1 & \gamma^4 \end{bmatrix}_{4706} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{4706} = \mathbf{Pl}(0,3,0,7,0,1)_{869}$$

$$\ell_{134} = \begin{bmatrix} 0 & 1 & 0 & \gamma^4 \\ 0 & 0 & 1 & \gamma^3 \end{bmatrix}_{4740} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{4740} = \mathbf{Pl}(0,7,0,5,0,1)_{843}$$

$$\ell_{135} = \begin{bmatrix} 0 & 1 & 0 & \gamma \\ 0 & 0 & 1 & 1 \end{bmatrix}_{4691} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{4691} = \mathbf{Pl}(0,2,0,1,0,1)_{778}$$

$$\ell_{136} = \begin{bmatrix} 0 & 1 & 0 & \gamma^3 \\ 0 & 0 & 1 & \gamma^2 \end{bmatrix}_{4721} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{4721} = \mathbf{Pl}(0,5,0,4,0,1)_{826}$$

$$\ell_{137} = \begin{bmatrix} 0 & 1 & \gamma^3 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4725} = \begin{bmatrix} 0 & 1 & 5 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4725} = \mathbf{Pl}(0,5,0,1,0,0)_{29}$$

$$\ell_{138} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & \gamma^4 \end{bmatrix}_{4688} = \begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 7 \end{bmatrix}_{4688} = \mathbf{Pl}(0,1,0,7,0,1)_{867}$$

$$\ell_{139} = \begin{bmatrix} 0 & 1 & 0 & \gamma^6 \\ 0 & 0 & 1 & \gamma^3 \end{bmatrix}_{4731} = \begin{bmatrix} 0 & 1 & 0 & 6 \\ 0 & 0 & 1 & 5 \end{bmatrix}_{4731} = \mathbf{Pl}(0,6,0,5,0,1)_{842}$$

$$\ell_{140} = \begin{bmatrix} 0 & 1 & 0 & \gamma^2 \\ 0 & 0 & 1 & \gamma^6 \end{bmatrix}_{4714} = \begin{bmatrix} 0 & 1 & 0 & 4 \\ 0 & 0 & 1 & 6 \end{bmatrix}_{4714} = \mathbf{Pl}(0,4,0,6,0,1)_{855}$$

$$\ell_{141} = \begin{bmatrix} 0 & 1 & 0 & \gamma^5 \\ 0 & 0 & 1 & \gamma^2 \end{bmatrix}_{4703} = \begin{bmatrix} 0 & 1 & 0 & 3 \\ 0 & 0 & 1 & 4 \end{bmatrix}_{4703} = \mathbf{Pl}(0,3,0,4,0,1)_{824}$$

$$\ell_{142} = \begin{bmatrix} 0 & 1 & 0 & \gamma^4 \\ 0 & 0 & 1 & \gamma \end{bmatrix}_{4737} = \begin{bmatrix} 0 & 1 & 0 & 7 \\ 0 & 0 & 1 & 2 \end{bmatrix}_{4737} = \mathbf{Pl}(0,7,0,2,0,1)_{798}$$

$$\ell_{143} = \begin{bmatrix} 0 & 1 & 0 & \gamma \\ 0 & 0 & 1 & \gamma^5 \end{bmatrix}_{4693} = \begin{bmatrix} 0 & 1 & 0 & 2 \\ 0 & 0 & 1 & 3 \end{bmatrix}_{4693} = \mathbf{Pl}(0,2,0,3,0,1)_{808}$$

$$\ell_{144} = \begin{bmatrix} 0 & 1 & 0 & \gamma^3 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{4718} = \begin{bmatrix} 0 & 1 & 0 & 5 \\ 0 & 0 & 1 & 1 \end{bmatrix}_{4718} = \mathbf{Pl}(0,5,0,1,0,1)_{781}$$

Rank of lines: (64, 4672, 72, 65, 70, 68, 67, 71, 66, 69, 4680, 4673, 4678, 4676, 4675, 4679, 4674, 4677, 4744, 648, 3568, 2400, 1816, 4152, 1232, 2984, 4681, 4726, 4708, 4699, 4735, 4690, 4717, 656, 649, 3574, 2404, 1819, 4159, 1234, 2989, 3576, 650, 3569, 2405, 1822, 4155, 1236, 2991, 2408, ...4737, 4693, 4718)

Rank of points on Klein quadric: (2, 649, 81, 96, 111, 126, 141, 156, 171, 186, 17, 769, 844, 814, 799, 859, 784, 829, 1, 10, 15, 13, 12, 16, 11, 14, 657, 662, 660, 659, 663, 658, 661, 89, 104, 119, 134, 149, 164, 179, 194, 94, 184, 109, 199, 124, 154, 139, 169, 92, ...798, 808, 781)

Eckardt Points

The surface has 0 Eckardt points:

Double Points

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

Single Points

The surface has 0 single points:
The single points on the surface are:

9

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

Too many lines to print.
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_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}
in point	P_2	P_0	P_0	P_0	P_0	P_0	P_0	P_0	P_0	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2

Line 1 intersects

Line	ℓ_0	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}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}
in point	P_2	P_1	P_1	P_1	P_1	P_1	P_1	P_1	P_1	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2

Line 2 intersects

Line	ℓ_0	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{10}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{33}	ℓ_{34}	ℓ_{35}	ℓ_{36}
in point	P_0	P_0	P_0	P_0	P_0	P_0	P_0	P_0	P_3	P_3	P_{75}	P_{76}	P_{77}	P_{78}	P_{79}	P_{80}	P_{81}	P_3	P_{75}	P_{76}	P_{77}

Line 3 intersects

Line	ℓ_0	ℓ_2	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{11}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{33}	ℓ_{34}
in point	P_0	P_0	P_0	P_0	P_0	P_0	P_0	P_0	P_{138}	P_{138}	P_{139}	P_{140}	P_{141}	P_{142}	P_{143}	P_{144}	P_{145}	P_{139}	P_{138}

Line 4 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{12}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{33}	ℓ_{34}
in point	P_0	P_0	P_0	P_0	P_0	P_0	P_0	P_0	P_{201}	P_{201}	P_{202}	P_{203}	P_{204}	P_{205}	P_{206}	P_{207}	P_{208}	P_{203}	P_{204}

Line 5 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{13}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{33}	ℓ_{34}
in point	P_0	P_0	P_0	P_0	P_0	P_0	P_0	P_0	P_{265}	P_{265}	P_{266}	P_{267}	P_{268}	P_{269}	P_{270}	P_{271}	P_{272}	P_{268}	P_{267}

Line 6 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_7	ℓ_8	ℓ_9	ℓ_{14}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{33}	ℓ_{34}
in point	P_0	P_0	P_0	P_0	P_0	P_0	P_0	P_0	P_{329}	P_{329}	P_{330}	P_{331}	P_{332}	P_{333}	P_{334}	P_{335}	P_{336}	P_{333}	P_{334}

Line 7 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_8	ℓ_9	ℓ_{15}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{33}	ℓ_{34}
in point	P_0	P_0	P_0	P_0	P_0	P_0	P_0	P_0	P_{393}	P_{393}	P_{394}	P_{395}	P_{396}	P_{397}	P_{398}	P_{399}	P_{400}	P_{398}	P_{397}

Line 8 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_9	ℓ_{16}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{33}	ℓ_{34}
in point	P_0	P_0	P_0	P_0	P_0	P_0	P_0	P_0	P_{457}	P_{457}	P_{458}	P_{459}	P_{460}	P_{461}	P_{462}	P_{463}	P_{464}	P_{463}	P_{464}

Line 9 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_{17}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{33}	ℓ_{34}
in point	P_0	P_0	P_0	P_0	P_0	P_0	P_0	P_0	P_{521}	P_{521}	P_{522}	P_{523}	P_{524}	P_{525}	P_{526}	P_{527}	P_{528}	P_{528}	P_{527}

Line 10 intersects

Line	ℓ_1	ℓ_2	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	ℓ_{32}	ℓ_{33}	ℓ_{41}	ℓ_{49}
in point	P_1	P_3	P_1	P_1	P_1	P_1	P_1	P_1	P_1	P_3	P_{82}	P_{90}	P_{98}	P_{106}	P_{114}	P_{122}	P_{130}	P_3	P_3	P_3

Line 11 intersects

Line	ℓ_1	ℓ_3	ℓ_{10}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	ℓ_{32}	ℓ_{34}	ℓ_{43}
in point	P_1	P_{138}	P_1	P_1	P_1	P_1	P_1	P_1	P_1	P_{138}	P_{146}	P_{153}	P_{161}	P_{169}	P_{177}	P_{185}	P_{193}	P_{138}	P_{138}

Line 12 intersects

Line	ℓ_1	ℓ_4	ℓ_{10}	ℓ_{11}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	ℓ_{32}	ℓ_{35}	ℓ_{45}
in point	P_1	P_{201}	P_1	P_1	P_1	P_1	P_1	P_1	P_1	P_{201}	P_{209}	P_{217}	P_{225}	P_{233}	P_{241}	P_{249}	P_{257}	P_{201}	P_{201}

Line 13 intersects

Line	ℓ_1	ℓ_5	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	ℓ_{32}	ℓ_{36}	ℓ_{47}
in point	P_1	P_{265}	P_1	P_1	P_1	P_1	P_1	P_1	P_1	P_{265}	P_{273}	P_{281}	P_{289}	P_{297}	P_{305}	P_{313}	P_{321}	P_{265}	P_{265}

Line 14 intersects

Line	ℓ_1	ℓ_6	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	ℓ_{32}	ℓ_{37}	ℓ_{46}
in point	P_1	P_{329}	P_1	P_1	P_1	P_1	P_1	P_1	P_1	P_{329}	P_{337}	P_{345}	P_{353}	P_{361}	P_{369}	P_{377}	P_{385}	P_{329}	P_{329}

Line 15 intersects

Line	ℓ_1	ℓ_7	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	ℓ_{32}	ℓ_{38}	ℓ_{48}
in point	P_1	P_{393}	P_1	P_1	P_1	P_1	P_1	P_1	P_1	P_{393}	P_{401}	P_{409}	P_{417}	P_{425}	P_{433}	P_{441}	P_{449}	P_{393}	P_{393}

Line 16 intersects

Line	ℓ_1	ℓ_8	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	ℓ_{32}	ℓ_{39}	ℓ_{42}
in point	P_1	P_{457}	P_1	P_1	P_1	P_1	P_1	P_1	P_1	P_{457}	P_{465}	P_{473}	P_{481}	P_{489}	P_{497}	P_{505}	P_{513}	P_{457}	P_{457}

Line 17 intersects

Line	ℓ_1	ℓ_9	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	ℓ_{32}	ℓ_{40}	ℓ_{44}
in point	P_1	P_{521}	P_1	P_1	P_1	P_1	P_1	P_1	P_1	P_{521}	P_{529}	P_{537}	P_{545}	P_{553}	P_{561}	P_{569}	P_{577}	P_{521}	P_{521}

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}
in point	P_2	P_2	P_3	P_{138}	P_{201}	P_{265}	P_{329}	P_{393}	P_{457}	P_{521}	P_3	P_{138}	P_{201}	P_{265}	P_{329}	P_{393}	P_{457}	P_{521}

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_{18}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{26}	ℓ_{27}	ℓ_{28}
in point	P_2	P_2	P_{75}	P_{139}	P_{202}	P_{266}	P_{330}	P_{394}	P_{458}	P_{522}	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2

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_{18}	ℓ_{19}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{26}	ℓ_{27}	ℓ_{28}
in point	P_2	P_2	P_{76}	P_{140}	P_{203}	P_{267}	P_{331}	P_{395}	P_{459}	P_{523}	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2

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_{18}	ℓ_{19}	ℓ_{20}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{26}	ℓ_{27}	ℓ_{28}
in point	P_2	P_2	P_{77}	P_{141}	P_{204}	P_{268}	P_{332}	P_{396}	P_{460}	P_{524}	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2

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_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{26}	ℓ_{27}	ℓ_{28}
in point	P_2	P_2	P_{78}	P_{142}	P_{205}	P_{269}	P_{333}	P_{397}	P_{461}	P_{525}	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2

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_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{24}	ℓ_{25}	ℓ_{26}	ℓ_{27}	ℓ_{28}
in point	P_2	P_2	P_{79}	P_{143}	P_{206}	P_{270}	P_{334}	P_{398}	P_{462}	P_{526}	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2

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_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{25}	ℓ_{26}	ℓ_{27}	ℓ_{28}
in point	P_2	P_2	P_{80}	P_{144}	P_{207}	P_{271}	P_{335}	P_{399}	P_{463}	P_{527}	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2

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_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{26}	ℓ_{27}	ℓ_{28}
in point	P_2	P_2	P_{81}	P_{145}	P_{208}	P_{272}	P_{336}	P_{400}	P_{464}	P_{528}	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2

Line 26 intersects

Line	ℓ_0	ℓ_1	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}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{27}	ℓ_{28}
in point	P_2	P_2	P_{82}	P_{146}	P_{209}	P_{273}	P_{337}	P_{401}	P_{465}	P_{529}	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2

Line 27 intersects

Line	ℓ_0	ℓ_1	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}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{26}	ℓ_{28}
in point	P_2	P_2	P_{90}	P_{153}	P_{217}	P_{281}	P_{345}	P_{409}	P_{473}	P_{537}	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2

Line 28 intersects

Line	ℓ_0	ℓ_1	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}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{26}	ℓ_{27}
in point	P_2	P_2	P_{98}	P_{161}	P_{225}	P_{289}	P_{353}	P_{417}	P_{481}	P_{545}	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2

Line 29 intersects

Line	ℓ_0	ℓ_1	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}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{26}	ℓ_2
in point	P_2	P_2	P_{106}	P_{169}	P_{233}	P_{297}	P_{361}	P_{425}	P_{489}	P_{553}	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P

Line 30 intersects

Line	ℓ_0	ℓ_1	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}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{26}	ℓ_2
in point	P_2	P_2	P_{114}	P_{177}	P_{241}	P_{305}	P_{369}	P_{433}	P_{497}	P_{561}	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P

Line 31 intersects

Line	ℓ_0	ℓ_1	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}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{26}	ℓ_2
in point	P_2	P_2	P_{122}	P_{185}	P_{249}	P_{313}	P_{377}	P_{441}	P_{505}	P_{569}	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P

Line 32 intersects

Line	ℓ_0	ℓ_1	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}	ℓ_{23}	ℓ_{24}	ℓ_{25}	ℓ_{26}	ℓ_2
in point	P_2	P_2	P_{130}	P_{193}	P_{257}	P_{321}	P_{385}	P_{449}	P_{513}	P_{577}	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P_2	P

Line 33 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{10}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{25}
in point	P_{12}	P_3	P_{139}	P_{203}	P_{268}	P_{333}	P_{398}	P_{463}	P_{528}	P_3	P_3	P_{139}	P_{203}	P_{268}	P_{333}	P_{398}	P_{463}	P_{528}

Line 34 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{11}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{12}	P_{75}	P_{138}	P_{204}	P_{267}	P_{334}	P_{397}	P_{464}	P_{527}	P_{138}	P_{138}	P_{75}	P_{267}	P_{204}	P_{397}	P_{334}	P_{527}	P

Line 35 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{12}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{12}	P_{76}	P_{141}	P_{201}	P_{266}	P_{335}	P_{400}	P_{461}	P_{526}	P_{201}	P_{201}	P_{266}	P_{76}	P_{141}	P_{461}	P_{526}	P_{335}	P

Line 36 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{13}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{12}	P_{77}	P_{140}	P_{202}	P_{265}	P_{336}	P_{399}	P_{462}	P_{525}	P_{265}	P_{265}	P_{202}	P_{140}	P_{77}	P_{525}	P_{462}	P_{399}	P

Line 37 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{14}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{12}	P_{78}	P_{143}	P_{207}	P_{272}	P_{329}	P_{394}	P_{459}	P_{524}	P_{329}	P_{329}	P_{394}	P_{459}	P_{524}	P_{78}	P_{143}	P_{207}	P

Line 38 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{15}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{12}	P_{79}	P_{142}	P_{208}	P_{271}	P_{330}	P_{393}	P_{460}	P_{523}	P_{393}	P_{393}	P_{330}	P_{523}	P_{460}	P_{142}	P_{79}	P_{271}	P

Line 39 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{16}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{12}	P_{80}	P_{145}	P_{205}	P_{270}	P_{331}	P_{396}	P_{457}	P_{522}	P_{457}	P_{457}	P_{522}	P_{331}	P_{396}	P_{205}	P_{270}	P_{80}	P

Line 40 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{17}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{12}	P_{81}	P_{144}	P_{206}	P_{269}	P_{332}	P_{395}	P_{458}	P_{521}	P_{521}	P_{521}	P_{458}	P_{395}	P_{332}	P_{269}	P_{206}	P_{144}	

Line 41 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{10}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{25}
in point	P_{13}	P_3	P_{140}	P_{205}	P_{271}	P_{334}	P_{400}	P_{458}	P_{524}	P_3	P_3	P_{458}	P_{140}	P_{524}	P_{205}	P_{334}	P_{271}	P_{400}

Line 42 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{16}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{13}	P_{75}	P_{141}	P_{206}	P_{272}	P_{333}	P_{399}	P_{457}	P_{523}	P_{457}	P_{457}	P_{75}	P_{523}	P_{141}	P_{333}	P_{206}	P_{399}	P

Line 43 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{11}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{13}	P_{76}	P_{138}	P_{207}	P_{269}	P_{336}	P_{398}	P_{460}	P_{522}	P_{138}	P_{138}	P_{522}	P_{76}	P_{460}	P_{269}	P_{398}	P_{207}	P

Line 44 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{17}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{13}	P_{77}	P_{139}	P_{208}	P_{270}	P_{335}	P_{397}	P_{459}	P_{521}	P_{521}	P_{521}	P_{139}	P_{459}	P_{77}	P_{397}	P_{270}	P_{335}	P

Line 45 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{12}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{13}	P_{78}	P_{144}	P_{201}	P_{267}	P_{330}	P_{396}	P_{462}	P_{528}	P_{201}	P_{201}	P_{330}	P_{267}	P_{396}	P_{78}	P_{462}	P_{144}	P

Line 46 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{14}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{13}	P_{79}	P_{145}	P_{202}	P_{268}	P_{329}	P_{395}	P_{461}	P_{527}	P_{329}	P_{329}	P_{202}	P_{395}	P_{268}	P_{461}	P_{79}	P_{527}	P

Line 47 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{13}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{13}	P_{80}	P_{142}	P_{203}	P_{265}	P_{332}	P_{394}	P_{464}	P_{526}	P_{265}	P_{265}	P_{394}	P_{203}	P_{332}	P_{142}	P_{526}	P_{80}	P

Line 48 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{15}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}
in point	P_{13}	P_{81}	P_{143}	P_{204}	P_{266}	P_{331}	P_{393}	P_{463}	P_{525}	P_{393}	P_{393}	P_{266}	P_{331}	P_{204}	P_{525}	P_{143}	P_{463}

Line 49 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{10}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{25}
in point	P_{14}	P_3	P_{141}	P_{207}	P_{270}	P_{330}	P_{395}	P_{464}	P_{525}	P_3	P_3	P_{330}	P_{395}	P_{141}	P_{525}	P_{270}	P_{207}	P_{464}

Line 50 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{14}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}
in point	P_{14}	P_{75}	P_{140}	P_{208}	P_{269}	P_{329}	P_{396}	P_{463}	P_{526}	P_{329}	P_{329}	P_{75}	P_{140}	P_{396}	P_{269}	P_{526}	P_{463}

Line 51 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{15}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}
in point	P_{14}	P_{76}	P_{139}	P_{205}	P_{272}	P_{332}	P_{393}	P_{462}	P_{527}	P_{393}	P_{393}	P_{139}	P_{76}	P_{332}	P_{205}	P_{462}	P_{527}

Line 52 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{11}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}
in point	P_{14}	P_{77}	P_{138}	P_{206}	P_{271}	P_{331}	P_{394}	P_{461}	P_{528}	P_{138}	P_{138}	P_{394}	P_{331}	P_{77}	P_{461}	P_{206}	P_{271}

Line 53 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{17}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}
in point	P_{14}	P_{78}	P_{145}	P_{203}	P_{266}	P_{334}	P_{399}	P_{460}	P_{521}	P_{521}	P_{521}	P_{266}	P_{203}	P_{460}	P_{78}	P_{334}	P_{399}

Line 54 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{13}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}
in point	P_{14}	P_{79}	P_{144}	P_{204}	P_{265}	P_{333}	P_{400}	P_{459}	P_{522}	P_{265}	P_{265}	P_{522}	P_{459}	P_{204}	P_{333}	P_{79}	P_{144}

Line 55 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{12}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}
in point	P_{14}	P_{80}	P_{143}	P_{201}	P_{268}	P_{336}	P_{397}	P_{458}	P_{523}	P_{201}	P_{201}	P_{458}	P_{523}	P_{268}	P_{397}	P_{143}	P_{80}

Line 56 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{16}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}
in point	P_{14}	P_{81}	P_{142}	P_{202}	P_{267}	P_{335}	P_{398}	P_{457}	P_{524}	P_{457}	P_{457}	P_{202}	P_{267}	P_{524}	P_{142}	P_{398}	P_{335}

Line 57 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{10}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{25}
in point	P_{15}	P_3	P_{142}	P_{206}	P_{266}	P_{336}	P_{396}	P_{459}	P_{527}	P_3	P_3	P_{266}	P_{459}	P_{396}	P_{142}	P_{206}	P_{527}	P_{336}

Line 58 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{13}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}
in point	P_{15}	P_{75}	P_{143}	P_{205}	P_{265}	P_{335}	P_{395}	P_{460}	P_{528}	P_{265}	P_{265}	P_{75}	P_{395}	P_{460}	P_{205}	P_{143}	P_{335}

Line 59 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{16}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}
in point	P_{15}	P_{76}	P_{144}	P_{208}	P_{268}	P_{334}	P_{394}	P_{457}	P_{525}	P_{457}	P_{457}	P_{394}	P_{76}	P_{268}	P_{525}	P_{334}	P_{144}

Line 60 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{15}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}
in point	P_{15}	P_{77}	P_{145}	P_{207}	P_{267}	P_{333}	P_{393}	P_{458}	P_{526}	P_{393}	P_{393}	P_{458}	P_{267}	P_{77}	P_{333}	P_{526}	P_{207}

Line 61 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{11}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{15}	P_{78}	P_{138}	P_{202}	P_{270}	P_{332}	P_{400}	P_{463}	P_{523}	P_{138}	P_{138}	P_{202}	P_{523}	P_{332}	P_{78}	P_{270}	P_{463}	

Line 62 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{12}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{15}	P_{79}	P_{139}	P_{201}	P_{269}	P_{331}	P_{399}	P_{464}	P_{524}	P_{201}	P_{201}	P_{139}	P_{331}	P_{524}	P_{269}	P_{79}	P_{399}	

Line 63 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{17}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{15}	P_{80}	P_{140}	P_{204}	P_{272}	P_{330}	P_{398}	P_{461}	P_{521}	P_{521}	P_{521}	P_{330}	P_{140}	P_{204}	P_{461}	P_{398}	P_{80}	

Line 64 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{14}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{15}	P_{81}	P_{141}	P_{203}	P_{271}	P_{329}	P_{397}	P_{462}	P_{522}	P_{329}	P_{329}	P_{522}	P_{203}	P_{141}	P_{397}	P_{462}	P_{271}	

Line 65 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{10}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{25}
in point	P_{16}	P_3	P_{143}	P_{208}	P_{267}	P_{332}	P_{399}	P_{461}	P_{522}	P_3	P_3	P_{522}	P_{267}	P_{332}	P_{461}	P_{143}	P_{399}	P_{208}

Line 66 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{17}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{16}	P_{75}	P_{142}	P_{207}	P_{268}	P_{331}	P_{400}	P_{462}	P_{521}	P_{521}	P_{521}	P_{75}	P_{331}	P_{268}	P_{142}	P_{462}	P_{207}	

Line 67 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{13}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{16}	P_{76}	P_{145}	P_{206}	P_{265}	P_{330}	P_{397}	P_{463}	P_{524}	P_{265}	P_{265}	P_{330}	P_{76}	P_{524}	P_{397}	P_{206}	P_{463}	

Line 68 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{14}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{16}	P_{77}	P_{144}	P_{205}	P_{266}	P_{329}	P_{398}	P_{464}	P_{523}	P_{329}	P_{329}	P_{266}	P_{523}	P_{77}	P_{205}	P_{398}	P_{144}	

Line 69 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{16}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{16}	P_{78}	P_{139}	P_{204}	P_{271}	P_{336}	P_{395}	P_{457}	P_{526}	P_{457}	P_{457}	P_{139}	P_{395}	P_{204}	P_{78}	P_{526}	P_{271}	

Line 70 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{11}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{16}	P_{79}	P_{138}	P_{203}	P_{272}	P_{335}	P_{396}	P_{458}	P_{525}	P_{138}	P_{138}	P_{458}	P_{203}	P_{396}	P_{525}	P_{79}	P_{335}	

Line 71 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{15}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{16}	P_{80}	P_{141}	P_{202}	P_{269}	P_{334}	P_{393}	P_{459}	P_{528}	P_{393}	P_{393}	P_{202}	P_{459}	P_{141}	P_{269}	P_{334}	P_{80}	

Line 72 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{12}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{16}	P_{81}	P_{140}	P_{201}	P_{270}	P_{333}	P_{394}	P_{460}	P_{527}	P_{201}	P_{201}	P_{394}	P_{140}	P_{460}	P_{333}	P_{270}	P_{527}	

Line 73 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{10}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{25}
in point	P_{17}	P_3	P_{144}	P_{202}	P_{272}	P_{331}	P_{397}	P_{460}	P_{526}	P_3	P_3	P_{202}	P_{331}	P_{460}	P_{397}	P_{526}	P_{144}	P_{272}

Line 74 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{12}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{17}	P_{75}	P_{145}	P_{201}	P_{271}	P_{332}	P_{398}	P_{459}	P_{525}	P_{201}	P_{201}	P_{75}	P_{459}	P_{332}	P_{525}	P_{398}	P_{271}	

Line 75 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{14}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{17}	P_{76}	P_{142}	P_{204}	P_{270}	P_{329}	P_{399}	P_{458}	P_{528}	P_{329}	P_{329}	P_{458}	P_{76}	P_{204}	P_{142}	P_{270}	P_{399}	

Line 76 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{16}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{17}	P_{77}	P_{143}	P_{203}	P_{269}	P_{330}	P_{400}	P_{457}	P_{527}	P_{457}	P_{457}	P_{330}	P_{203}	P_{77}	P_{269}	P_{143}	P_{527}	

Line 77 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{15}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{17}	P_{78}	P_{140}	P_{206}	P_{268}	P_{335}	P_{393}	P_{464}	P_{522}	P_{393}	P_{393}	P_{522}	P_{140}	P_{268}	P_{78}	P_{206}	P_{335}	

Line 78 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{17}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{17}	P_{79}	P_{141}	P_{205}	P_{267}	P_{336}	P_{394}	P_{463}	P_{521}	P_{521}	P_{521}	P_{394}	P_{267}	P_{141}	P_{205}	P_{79}	P_{463}	

Line 79 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{11}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{17}	P_{80}	P_{138}	P_{208}	P_{266}	P_{333}	P_{395}	P_{462}	P_{524}	P_{138}	P_{138}	P_{266}	P_{395}	P_{524}	P_{333}	P_{462}	P_{80}	

Line 80 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{13}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{17}	P_{81}	P_{139}	P_{207}	P_{265}	P_{334}	P_{396}	P_{461}	P_{523}	P_{265}	P_{265}	P_{139}	P_{523}	P_{396}	P_{461}	P_{334}	P_{207}	

Line 81 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{10}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	ℓ_{25}
in point	P_{18}	P_3	P_{145}	P_{204}	P_{269}	P_{335}	P_{394}	P_{462}	P_{523}	P_3	P_3	P_{394}	P_{523}	P_{204}	P_{269}	P_{462}	P_{335}	P_{145}

Line 82 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{15}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{18}	P_{75}	P_{144}	P_{203}	P_{270}	P_{336}	P_{393}	P_{461}	P_{524}	P_{393}	P_{393}	P_{75}	P_{203}	P_{524}	P_{461}	P_{270}	P_{144}	

Line 83 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{17}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{18}	P_{76}	P_{143}	P_{202}	P_{271}	P_{333}	P_{396}	P_{464}	P_{521}	P_{521}	P_{521}	P_{202}	P_{76}	P_{396}	P_{333}	P_{143}	P_{271}	

Line 84 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{12}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{18}	P_{77}	P_{142}	P_{201}	P_{272}	P_{334}	P_{395}	P_{463}	P_{522}	P_{201}	P_{201}	P_{522}	P_{395}	P_{77}	P_{142}	P_{334}	P_{463}	

Line 85 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{13}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{18}	P_{78}	P_{141}	P_{208}	P_{265}	P_{331}	P_{398}	P_{458}	P_{527}	P_{265}	P_{265}	P_{458}	P_{331}	P_{141}	P_{78}	P_{398}	P_{527}	

Line 86 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{16}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{18}	P_{79}	P_{140}	P_{207}	P_{266}	P_{332}	P_{397}	P_{457}	P_{528}	P_{457}	P_{457}	P_{266}	P_{140}	P_{332}	P_{397}	P_{79}	P_{207}	

Line 87 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{14}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{18}	P_{80}	P_{139}	P_{206}	P_{267}	P_{329}	P_{400}	P_{460}	P_{525}	P_{329}	P_{329}	P_{139}	P_{267}	P_{460}	P_{525}	P_{206}	P_{80}	P

Line 88 intersects

Line	ℓ_0	ℓ_2	ℓ_3	ℓ_4	ℓ_5	ℓ_6	ℓ_7	ℓ_8	ℓ_9	ℓ_{11}	ℓ_{18}	ℓ_{19}	ℓ_{20}	ℓ_{21}	ℓ_{22}	ℓ_{23}	ℓ_{24}	
in point	P_{18}	P_{81}	P_{138}	P_{205}	P_{268}	P_{330}	P_{399}	P_{459}	P_{526}	P_{138}	P_{138}	P_{330}	P_{459}	P_{268}	P_{205}	P_{526}	P_{399}	P

Line 89 intersects

Line	ℓ_1	ℓ_2	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	ℓ_{32}
in point	P_{19}	P_3	P_3	P_{146}	P_{217}	P_{289}	P_{361}	P_{433}	P_{505}	P_{577}	P_3	P_{146}	P_{217}	P_{289}	P_{361}	P_{433}	P_{505}	P_{577}

Line 90 intersects

Line	ℓ_1	ℓ_3	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{19}	P_{138}	P_{82}	P_{138}	P_{225}	P_{281}	P_{369}	P_{425}	P_{513}	P_{569}	P_{138}	P_{82}	P_{281}	P_{225}	P_{425}	P_{369}	P_{569}	P

Line 91 intersects

Line	ℓ_1	ℓ_4	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{19}	P_{201}	P_{90}	P_{161}	P_{201}	P_{273}	P_{377}	P_{449}	P_{489}	P_{561}	P_{201}	P_{273}	P_{90}	P_{161}	P_{489}	P_{561}	P_{377}	P

Line 92 intersects

Line	ℓ_1	ℓ_5	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{19}	P_{265}	P_{98}	P_{153}	P_{209}	P_{265}	P_{385}	P_{441}	P_{497}	P_{553}	P_{265}	P_{209}	P_{153}	P_{98}	P_{553}	P_{497}	P_{441}	P

Line 93 intersects

Line	ℓ_1	ℓ_6	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{19}	P_{329}	P_{106}	P_{177}	P_{249}	P_{321}	P_{329}	P_{401}	P_{473}	P_{545}	P_{329}	P_{401}	P_{473}	P_{545}	P_{106}	P_{177}	P_{249}

Line 94 intersects

Line	ℓ_1	ℓ_7	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{19}	P_{393}	P_{114}	P_{169}	P_{257}	P_{313}	P_{337}	P_{393}	P_{481}	P_{537}	P_{393}	P_{337}	P_{537}	P_{481}	P_{169}	P_{114}	P_{313}	

Line 95 intersects

Line	ℓ_1	ℓ_8	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{19}	P_{457}	P_{122}	P_{193}	P_{233}	P_{305}	P_{345}	P_{417}	P_{457}	P_{529}	P_{457}	P_{529}	P_{345}	P_{417}	P_{233}	P_{305}	P_{122}

Line 96 intersects

Line	ℓ_1	ℓ_9	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{19}	P_{521}	P_{130}	P_{185}	P_{241}	P_{297}	P_{353}	P_{409}	P_{465}	P_{521}	P_{521}	P_{465}	P_{409}	P_{353}	P_{297}	P_{241}	P_{185}

Line 97 intersects

Line	ℓ_1	ℓ_2	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	ℓ_{32}
in point	P_{27}	P_3	P_3	P_{153}	P_{233}	P_{313}	P_{369}	P_{449}	P_{465}	P_{545}	P_3	P_{465}	P_{153}	P_{545}	P_{233}	P_{369}	P_{313}	P_{449}

Line 98 intersects

Line	ℓ_1	ℓ_8	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{27}	P_{457}	P_{82}	P_{161}	P_{241}	P_{321}	P_{361}	P_{441}	P_{457}	P_{537}	P_{457}	P_{82}	P_{537}	P_{161}	P_{361}	P_{241}	P_{441}	P

Line 99 intersects

Line	ℓ_1	ℓ_3	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{27}	P_{138}	P_{90}	P_{138}	P_{249}	P_{297}	P_{385}	P_{433}	P_{481}	P_{529}	P_{138}	P_{529}	P_{90}	P_{481}	P_{297}	P_{433}	P_{249}	P

Line 100 intersects

Line	ℓ_1	ℓ_9	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{27}	P_{521}	P_{98}	P_{146}	P_{257}	P_{305}	P_{377}	P_{425}	P_{473}	P_{521}	P_{521}	P_{146}	P_{473}	P_{98}	P_{425}	P_{305}	P_{377}	

Line 101 intersects

Line	ℓ_1	ℓ_4	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{27}	P_{201}	P_{106}	P_{185}	P_{201}	P_{281}	P_{337}	P_{417}	P_{497}	P_{577}	P_{201}	P_{337}	P_{281}	P_{417}	P_{106}	P_{497}	P_{185}

Line 102 intersects

Line	ℓ_1	ℓ_6	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{27}	P_{329}	P_{114}	P_{193}	P_{209}	P_{289}	P_{329}	P_{409}	P_{489}	P_{569}	P_{329}	P_{209}	P_{409}	P_{289}	P_{489}	P_{114}	P_{569}

Line 103 intersects

Line	ℓ_1	ℓ_5	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{27}	P_{265}	P_{122}	P_{169}	P_{217}	P_{265}	P_{353}	P_{401}	P_{513}	P_{561}	P_{265}	P_{401}	P_{217}	P_{353}	P_{169}	P_{561}	P_{122}

Line 104 intersects

Line	ℓ_1	ℓ_7	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{27}	P_{393}	P_{130}	P_{177}	P_{225}	P_{273}	P_{345}	P_{393}	P_{505}	P_{553}	P_{393}	P_{273}	P_{345}	P_{225}	P_{553}	P_{177}	P_{505}

Line 105 intersects

Line	ℓ_1	ℓ_2	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	ℓ_{32}
in point	P_{35}	P_3	P_3	P_{161}	P_{249}	P_{305}	P_{337}	P_{409}	P_{513}	P_{553}	P_3	P_{337}	P_{409}	P_{161}	P_{553}	P_{305}	P_{249}	P_{513}

Line 106 intersects

Line	ℓ_1	ℓ_6	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{35}	P_{329}	P_{82}	P_{153}	P_{257}	P_{297}	P_{329}	P_{417}	P_{505}	P_{561}	P_{329}	P_{82}	P_{153}	P_{417}	P_{297}	P_{561}	P_{505}	

Line 107 intersects

Line	ℓ_1	ℓ_7	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{35}	P_{393}	P_{90}	P_{146}	P_{233}	P_{321}	P_{353}	P_{393}	P_{497}	P_{569}	P_{393}	P_{146}	P_{90}	P_{353}	P_{233}	P_{497}	P_{569}	

Line 108 intersects

Line	ℓ_1	ℓ_3	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{35}	P_{138}	P_{98}	P_{138}	P_{241}	P_{313}	P_{345}	P_{401}	P_{489}	P_{577}	P_{138}	P_{401}	P_{345}	P_{98}	P_{489}	P_{241}	P_{313}	

Line 109 intersects

Line	ℓ_1	ℓ_9	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{35}	P_{521}	P_{106}	P_{193}	P_{217}	P_{273}	P_{369}	P_{441}	P_{481}	P_{521}	P_{521}	P_{273}	P_{217}	P_{481}	P_{106}	P_{369}	P_{441}

Line 110 intersects

Line	ℓ_1	ℓ_5	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{35}	P_{265}	P_{114}	P_{185}	P_{225}	P_{265}	P_{361}	P_{449}	P_{473}	P_{529}	P_{265}	P_{529}	P_{473}	P_{225}	P_{361}	P_{114}	P_{185}

Line 111 intersects

Line	ℓ_1	ℓ_4	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{35}	P_{201}	P_{122}	P_{177}	P_{201}	P_{289}	P_{385}	P_{425}	P_{465}	P_{537}	P_{201}	P_{465}	P_{537}	P_{289}	P_{425}	P_{177}	P_{122}

Line 112 intersects

Line	ℓ_1	ℓ_8	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{35}	P_{457}	P_{130}	P_{169}	P_{209}	P_{281}	P_{377}	P_{433}	P_{457}	P_{545}	P_{457}	P_{209}	P_{281}	P_{545}	P_{169}	P_{433}	P_{377}

Line 113 intersects

Line	ℓ_1	ℓ_2	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	ℓ_{32}
in point	P_{43}	P_3	P_3	P_{169}	P_{241}	P_{273}	P_{385}	P_{417}	P_{473}	P_{569}	P_3	P_{273}	P_{473}	P_{417}	P_{169}	P_{241}	P_{569}	P_{385}

Line 114 intersects

Line	ℓ_1	ℓ_5	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{43}	P_{265}	P_{82}	P_{177}	P_{233}	P_{265}	P_{377}	P_{409}	P_{481}	P_{577}	P_{265}	P_{82}	P_{409}	P_{481}	P_{233}	P_{177}	P_{377}	

Line 115 intersects

Line	ℓ_1	ℓ_8	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{43}	P_{457}	P_{90}	P_{185}	P_{257}	P_{289}	P_{369}	P_{401}	P_{457}	P_{553}	P_{457}	P_{401}	P_{90}	P_{289}	P_{553}	P_{369}	P_{185}	

Line 116 intersects

Line	ℓ_1	ℓ_7	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{43}	P_{393}	P_{98}	P_{193}	P_{249}	P_{281}	P_{361}	P_{393}	P_{465}	P_{561}	P_{393}	P_{465}	P_{281}	P_{98}	P_{361}	P_{561}	P_{249}	

Line 117 intersects

Line	ℓ_1	ℓ_3	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{43}	P_{138}	P_{106}	P_{138}	P_{209}	P_{305}	P_{353}	P_{449}	P_{505}	P_{537}	P_{138}	P_{209}	P_{537}	P_{353}	P_{106}	P_{305}	P_{505}

Line 118 intersects

Line	ℓ_1	ℓ_4	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{43}	P_{201}	P_{114}	P_{146}	P_{201}	P_{297}	P_{345}	P_{441}	P_{513}	P_{545}	P_{201}	P_{146}	P_{345}	P_{545}	P_{297}	P_{114}	P_{441}

Line 119 intersects

Line	ℓ_1	ℓ_9	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{43}	P_{521}	P_{122}	P_{153}	P_{225}	P_{321}	P_{337}	P_{433}	P_{489}	P_{521}	P_{521}	P_{337}	P_{153}	P_{225}	P_{489}	P_{433}	P_{122}

Line 120 intersects

Line	ℓ_1	ℓ_6	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{43}	P_{329}	P_{130}	P_{161}	P_{217}	P_{313}	P_{329}	P_{425}	P_{497}	P_{529}	P_{329}	P_{529}	P_{217}	P_{161}	P_{425}	P_{497}	P_{313}

Line 121 intersects

Line	ℓ_1	ℓ_2	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	ℓ_{32}
in point	P_{51}	P_3	P_3	P_{177}	P_{257}	P_{281}	P_{353}	P_{441}	P_{489}	P_{529}	P_3	P_{529}	P_{281}	P_{353}	P_{489}	P_{177}	P_{441}	P_{257}

Line 122 intersects

Line	ℓ_1	ℓ_9	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{51}	P_{521}	P_{82}	P_{169}	P_{249}	P_{289}	P_{345}	P_{449}	P_{497}	P_{521}	P_{521}	P_{82}	P_{345}	P_{289}	P_{169}	P_{497}	P_{249}	

Line 123 intersects

Line	ℓ_1	ℓ_5	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{51}	P_{265}	P_{90}	P_{193}	P_{241}	P_{265}	P_{337}	P_{425}	P_{505}	P_{545}	P_{265}	P_{337}	P_{90}	P_{545}	P_{425}	P_{241}	P_{505}	

Line 124 intersects

Line	ℓ_1	ℓ_6	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{51}	P_{329}	P_{98}	P_{185}	P_{233}	P_{273}	P_{329}	P_{433}	P_{513}	P_{537}	P_{329}	P_{273}	P_{537}	P_{98}	P_{233}	P_{433}	P_{185}	

Line 125 intersects

Line	ℓ_1	ℓ_8	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{51}	P_{457}	P_{106}	P_{146}	P_{225}	P_{313}	P_{385}	P_{409}	P_{457}	P_{561}	P_{457}	P_{146}	P_{409}	P_{225}	P_{106}	P_{561}	P_{313}

Line 126 intersects

Line	ℓ_1	ℓ_3	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{51}	P_{138}	P_{114}	P_{138}	P_{217}	P_{321}	P_{377}	P_{417}	P_{465}	P_{553}	P_{138}	P_{465}	P_{217}	P_{417}	P_{553}	P_{114}	P_{377}

Line 127 intersects

Line	ℓ_1	ℓ_7	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{51}	P_{393}	P_{122}	P_{161}	P_{209}	P_{297}	P_{369}	P_{393}	P_{473}	P_{577}	P_{393}	P_{209}	P_{473}	P_{161}	P_{297}	P_{369}	P_{122}

Line 128 intersects

Line	ℓ_1	ℓ_4	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{51}	P_{201}	P_{130}	P_{153}	P_{201}	P_{305}	P_{361}	P_{401}	P_{481}	P_{569}	P_{201}	P_{401}	P_{153}	P_{481}	P_{361}	P_{305}	P_{569}

Line 129 intersects

Line	ℓ_1	ℓ_2	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	ℓ_{32}
in point	P_{59}	P_3	P_3	P_{185}	P_{209}	P_{321}	P_{345}	P_{425}	P_{481}	P_{561}	P_3	P_{209}	P_{345}	P_{481}	P_{425}	P_{561}	P_{185}	P_{321}

Line 130 intersects

Line	ℓ_1	ℓ_4	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{59}	P_{201}	P_{82}	P_{193}	P_{201}	P_{313}	P_{353}	P_{433}	P_{473}	P_{553}	P_{201}	P_{82}	P_{473}	P_{353}	P_{553}	P_{433}	P_{313}	

Line 131 intersects

Line	ℓ_1	ℓ_6	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{59}	P_{329}	P_{90}	P_{169}	P_{225}	P_{305}	P_{329}	P_{441}	P_{465}	P_{577}	P_{329}	P_{465}	P_{90}	P_{225}	P_{169}	P_{305}	P_{441}	

Line 132 intersects

Line	ℓ_1	ℓ_8	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{59}	P_{457}	P_{98}	P_{177}	P_{217}	P_{297}	P_{337}	P_{449}	P_{457}	P_{569}	P_{457}	P_{337}	P_{217}	P_{98}	P_{297}	P_{177}	P_{569}	

Line 133 intersects

Line	ℓ_1	ℓ_7	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{59}	P_{393}	P_{106}	P_{153}	P_{241}	P_{289}	P_{377}	P_{393}	P_{513}	P_{529}	P_{393}	P_{529}	P_{153}	P_{289}	P_{106}	P_{241}	P_{377}

Line 134 intersects

Line	ℓ_1	ℓ_9	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{59}	P_{521}	P_{114}	P_{161}	P_{233}	P_{281}	P_{385}	P_{401}	P_{505}	P_{521}	P_{521}	P_{401}	P_{281}	P_{161}	P_{233}	P_{114}	P_{505}

Line 135 intersects

Line	ℓ_1	ℓ_3	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{59}	P_{138}	P_{122}	P_{138}	P_{257}	P_{273}	P_{361}	P_{409}	P_{497}	P_{545}	P_{138}	P_{273}	P_{409}	P_{545}	P_{361}	P_{497}	P_{122}

Line 136 intersects

Line	ℓ_1	ℓ_5	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{59}	P_{265}	P_{130}	P_{146}	P_{249}	P_{265}	P_{369}	P_{417}	P_{489}	P_{537}	P_{265}	P_{146}	P_{537}	P_{417}	P_{489}	P_{369}	P_{249}

Line 137 intersects

Line	ℓ_1	ℓ_2	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	ℓ_{32}
in point	P_{67}	P_3	P_3	P_{193}	P_{225}	P_{297}	P_{377}	P_{401}	P_{497}	P_{537}	P_3	P_{401}	P_{537}	P_{225}	P_{297}	P_{497}	P_{377}	P_{193}

Line 138 intersects

Line	ℓ_1	ℓ_7	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{67}	P_{393}	P_{82}	P_{185}	P_{217}	P_{305}	P_{385}	P_{393}	P_{489}	P_{545}	P_{393}	P_{82}	P_{217}	P_{545}	P_{489}	P_{305}	P_{185}	

Line 139 intersects

Line	ℓ_1	ℓ_9	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{67}	P_{521}	P_{90}	P_{177}	P_{209}	P_{313}	P_{361}	P_{417}	P_{513}	P_{521}	P_{521}	P_{209}	P_{90}	P_{417}	P_{361}	P_{177}	P_{313}	

Line 140 intersects

Line	ℓ_1	ℓ_4	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}	
in point	P_{67}	P_{201}	P_{98}	P_{169}	P_{201}	P_{321}	P_{369}	P_{409}	P_{505}	P_{529}	P_{201}	P_{529}	P_{409}	P_{98}	P_{169}	P_{369}	P_{505}	

Line 141 intersects

Line	ℓ_1	ℓ_5	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{67}	P_{265}	P_{106}	P_{161}	P_{257}	P_{265}	P_{345}	P_{433}	P_{465}	P_{569}	P_{265}	P_{465}	P_{345}	P_{161}	P_{106}	P_{433}	P_{569}

Line 142 intersects

Line	ℓ_1	ℓ_8	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{67}	P_{457}	P_{114}	P_{153}	P_{249}	P_{273}	P_{353}	P_{425}	P_{457}	P_{577}	P_{457}	P_{273}	P_{153}	P_{353}	P_{425}	P_{114}	P_{249}

Line 143 intersects

Line	ℓ_1	ℓ_6	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{67}	P_{329}	P_{122}	P_{146}	P_{241}	P_{281}	P_{329}	P_{449}	P_{481}	P_{553}	P_{329}	P_{146}	P_{281}	P_{481}	P_{553}	P_{241}	P_{122}

Line 144 intersects

Line	ℓ_1	ℓ_3	ℓ_{10}	ℓ_{11}	ℓ_{12}	ℓ_{13}	ℓ_{14}	ℓ_{15}	ℓ_{16}	ℓ_{17}	ℓ_{18}	ℓ_{26}	ℓ_{27}	ℓ_{28}	ℓ_{29}	ℓ_{30}	ℓ_{31}
in point	P_{67}	P_{138}	P_{130}	P_{138}	P_{233}	P_{289}	P_{337}	P_{441}	P_{473}	P_{561}	P_{138}	P_{337}	P_{473}	P_{289}	P_{233}	P_{561}	P_{441}

The surface has 137 points:
The points on the surface are:

0 : $P_0 = (1,0,0,0)$

1 : $P_1 = (0,1,0,0)$

2 : $P_2 = (0,0,1,0)$

3 : $P_3 = (0,0,0,1)$

4 : $P_{12} = (1,0,1,0)$

5 : $P_{13} = (2,0,1,0)$

6 : $P_{14} = (3,0,1,0)$

7 : $P_{15} = (4,0,1,0)$

8 : $P_{16} = (5,0,1,0)$

9 : $P_{17} = (6,0,1,0)$

10 : $P_{18} = (7,0,1,0)$

11 : $P_{19} = (0,1,1,0)$

12 : $P_{27} = (0,2,1,0)$

13 : $P_{35} = (0,3,1,0)$

14 : $P_{43} = (0,4,1,0)$

15 : $P_{51} = (0,5,1,0)$

16 : $P_{59} = (0,6,1,0)$

17 : $P_{67} = (0,7,1,0)$

18 : $P_{75} = (1,0,0,1)$

19 : $P_{76} = (2,0,0,1)$

20 : $P_{77} = (3,0,0,1)$

21 : $P_{78} = (4,0,0,1)$

22 : $P_{79} = (5,0,0,1)$

23 : $P_{80} = (6,0,0,1)$

24 : $P_{81} = (7,0,0,1)$

25 : $P_{82} = (0,1,0,1)$

26 : $P_{90} = (0,2,0,1)$

27 : $P_{98} = (0,3,0,1)$

28 : $P_{106} = (0,4,0,1)$

29 : $P_{114} = (0,5,0,1)$

30 : $P_{122} = (0,6,0,1)$

31 : $P_{130} = (0,7,0,1)$

32 : $P_{138} = (0,0,1,1)$

33 : $P_{139} = (1,0,1,1)$

34 : $P_{140} = (2,0,1,1)$

35 : $P_{141} = (3,0,1,1)$

36 : $P_{142} = (4,0,1,1)$

37 : $P_{143} = (5,0,1,1)$

38 : $P_{144} = (6,0,1,1)$

39 : $P_{145} = (7,0,1,1)$

40 : $P_{146} = (0,1,1,1)$

41 : $P_{153} = (0,2,1,1)$

42 : $P_{161} = (0,3,1,1)$

43 : $P_{169} = (0,4,1,1)$

44 : $P_{177} = (0,5,1,1)$

45 : $P_{185} = (0,6,1,1)$

46 : $P_{193} = (0,7,1,1)$

47 : $P_{201} = (0,0,2,1)$

48 : $P_{202} = (1,0,2,1)$

49 : $P_{203} = (2,0,2,1)$

50 : $P_{204} = (3,0,2,1)$

51 : $P_{205} = (4,0,2,1)$

52 : $P_{206} = (5,0,2,1)$

53 : $P_{207} = (6,0,2,1)$

54 : $P_{208} = (7,0,2,1)$

55 : $P_{209} = (0,1,2,1)$

56 : $P_{217} = (0,2,2,1)$

57 : $P_{225} = (0,3,2,1)$

58 : $P_{233} = (0,4,2,1)$

59 : $P_{241} = (0,5,2,1)$

60 : $P_{249} = (0,6,2,1)$

61 : $P_{257} = (0,7,2,1)$

62 : $P_{265} = (0,0,3,1)$

63 : $P_{266} = (1,0,3,1)$

64 : $P_{267} = (2,0,3,1)$

65 : $P_{268} = (3,0,3,1)$

66 : $P_{269} = (4,0,3,1)$

67 : $P_{270} = (5,0,3,1)$

68 : $P_{271} = (6,0,3,1)$

$69 : P_{272} = (7, 0, 3, 1)$

$70 : P_{273} = (0, 1, 3, 1)$

$71 : P_{281} = (0, 2, 3, 1)$

$72 : P_{289} = (0, 3, 3, 1)$

$73 : P_{297} = (0, 4, 3, 1)$

$74 : P_{305} = (0, 5, 3, 1)$

$75 : P_{313} = (0, 6, 3, 1)$

$76 : P_{321} = (0, 7, 3, 1)$

$77 : P_{329} = (0, 0, 4, 1)$

$78 : P_{330} = (1, 0, 4, 1)$

$79 : P_{331} = (2, 0, 4, 1)$

$80 : P_{332} = (3, 0, 4, 1)$

$81 : P_{333} = (4, 0, 4, 1)$

$82 : P_{334} = (5, 0, 4, 1)$

$83 : P_{335} = (6, 0, 4, 1)$

$84 : P_{336} = (7, 0, 4, 1)$

$85 : P_{337} = (0, 1, 4, 1)$

$86 : P_{345} = (0, 2, 4, 1)$

$87 : P_{353} = (0, 3, 4, 1)$

$88 : P_{361} = (0, 4, 4, 1)$

$89 : P_{369} = (0, 5, 4, 1)$

$90 : P_{377} = (0, 6, 4, 1)$

$91 : P_{385} = (0, 7, 4, 1)$

$92 : P_{393} = (0, 0, 5, 1)$

$93 : P_{394} = (1, 0, 5, 1)$

$94 : P_{395} = (2, 0, 5, 1)$

$95 : P_{396} = (3, 0, 5, 1)$

$96 : P_{397} = (4, 0, 5, 1)$

$97 : P_{398} = (5, 0, 5, 1)$

$98 : P_{399} = (6, 0, 5, 1)$

$99 : P_{400} = (7, 0, 5, 1)$

$100 : P_{401} = (0, 1, 5, 1)$

$101 : P_{409} = (0, 2, 5, 1)$

$102 : P_{417} = (0, 3, 5, 1)$

$103 : P_{425} = (0, 4, 5, 1)$

$104 : P_{433} = (0, 5, 5, 1)$

$105 : P_{441} = (0, 6, 5, 1)$

$106 : P_{449} = (0, 7, 5, 1)$

$107 : P_{457} = (0, 0, 6, 1)$

$108 : P_{458} = (1, 0, 6, 1)$

$109 : P_{459} = (2, 0, 6, 1)$

$110 : P_{460} = (3, 0, 6, 1)$

$111 : P_{461} = (4, 0, 6, 1)$

$112 : P_{462} = (5, 0, 6, 1)$

$113 : P_{463} = (6, 0, 6, 1)$

$114 : P_{464} = (7, 0, 6, 1)$

$115 : P_{465} = (0, 1, 6, 1)$

$116 : P_{473} = (0, 2, 6, 1)$

$117 : P_{481} = (0, 3, 6, 1)$

$118 : P_{489} = (0, 4, 6, 1)$

$119 : P_{497} = (0, 5, 6, 1)$

$120 : P_{505} = (0, 6, 6, 1)$

$121 : P_{513} = (0, 7, 6, 1)$

$122 : P_{521} = (0, 0, 7, 1)$

$123 : P_{522} = (1, 0, 7, 1)$

$124 : P_{523} = (2, 0, 7, 1)$

$125 : P_{524} = (3, 0, 7, 1)$

$126 : P_{525} = (4, 0, 7, 1)$

$127 : P_{526} = (5, 0, 7, 1)$

$128 : P_{527} = (6, 0, 7, 1)$

$129 : P_{528} = (7, 0, 7, 1)$

$130 : P_{529} = (0, 1, 7, 1)$

$131 : P_{537} = (0, 2, 7, 1)$

$132 : P_{545} = (0, 3, 7, 1)$

$133 : P_{553} = (0, 4, 7, 1)$

$134 : P_{561} = (0, 5, 7, 1)$

$135 : P_{569} = (0, 6, 7, 1)$

$136 : P_{577} = (0, 7, 7, 1)$