

Rank-68 over GF(64)

January 15, 2021

The equation

The equation of the surface is :

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

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

The point rank of the equation over GF(64) is 33824912

General information

| | |
|----------------------------|----------------------------|
| Number of lines | 4225 |
| Number of points | 8257 |
| Number of singular points | 65 |
| Number of Eckardt points | 0 |
| Number of double points | 0 |
| Number of single points | 4096 |
| Number of points off lines | 0 |
| Number of Hesse planes | 0 |
| Number of axes | 0 |
| Type of points on lines | 65^{4225} |
| Type of lines on points | $129, 65^{4160}, 1^{4096}$ |

Singular Points

The surface has 65 singular points:

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

$$1 : P_4 = \mathbf{P}(1, 1, 1, 1) = \mathbf{P}(1, 1, 1, 1)$$

$$2 : P_{132} = \mathbf{P}(1, 1, 1, 0) = \mathbf{P}(1, 1, 1, 0)$$

$$3 : P_{12483} = \mathbf{P}(\epsilon, \epsilon, \epsilon, 1) = \mathbf{P}(2, 2, 2, 1)$$

$$4 : P_{16644} = \mathbf{P}(\epsilon^{58}, \epsilon^{58}, \epsilon^{58}, 1) = \mathbf{P}(3, 3, 3, 1)$$

$$5 : P_{20805} = \mathbf{P}(\epsilon^2, \epsilon^2, \epsilon^2, 1) = \mathbf{P}(4, 4, 4, 1)$$

$$6 : P_{24966} = \mathbf{P}(\epsilon^{53}, \epsilon^{53}, \epsilon^{53}, 1) = \mathbf{P}(5, 5, 5, 1)$$

$$7 : P_{29127} = \mathbf{P}(\epsilon^{59}, \epsilon^{59}, \epsilon^{59}, 1) = \mathbf{P}(6, 6, 6, 1)$$

$$8 : P_{33288} = \mathbf{P}(\epsilon^{39}, \epsilon^{39}, \epsilon^{39}, 1) = \mathbf{P}(7, 7, 7, 1)$$

$$9 : P_{37449} = \mathbf{P}(\epsilon^3, \epsilon^3, \epsilon^3, 1) = \mathbf{P}(8, 8, 8, 1)$$

$$10 : P_{41610} = \mathbf{P}(\epsilon^{34}, \epsilon^{34}, \epsilon^{34}, 1) = \mathbf{P}(9, 9, 9, 1)$$

$$11 : P_{45771} = \mathbf{P}(\epsilon^{54}, \epsilon^{54}, \epsilon^{54}, 1) = \mathbf{P}(10, 10, 10, 1)$$

$$12 : P_{49932} = \mathbf{P}(\epsilon^{18}, \epsilon^{18}, \epsilon^{18}, 1) = \mathbf{P}(11, 11, 11, 1)$$

$$13 : P_{54093} = \mathbf{P}(\epsilon^{60}, \epsilon^{60}, \epsilon^{60}, 1) = \mathbf{P}(12, 12, 12, 1)$$

$$14 : P_{58254} = \mathbf{P}(\epsilon^{31}, \epsilon^{31}, \epsilon^{31}, 1) = \mathbf{P}(13, 13, 13, 1)$$

$$15 : P_{62415} = \mathbf{P}(\epsilon^{40}, \epsilon^{40}, \epsilon^{40}, 1) = \mathbf{P}(14, 14, 14, 1)$$

$$16 : P_{66576} = \mathbf{P}(\epsilon^{48}, \epsilon^{48}, \epsilon^{48}, 1) = \mathbf{P}(15, 15, 15, 1)$$

$$17 : P_{70737} = \mathbf{P}(\epsilon^4, \epsilon^4, \epsilon^4, 1) = \mathbf{P}(16, 16, 16, 1)$$

$$\begin{aligned}
18 : P_{74898} &= \mathbf{P}(\epsilon^{43}, \epsilon^{43}, \epsilon^{43}, 1) = \mathbf{P}(17, 17, 17, 1) \\
19 : P_{79059} &= \mathbf{P}(\epsilon^{35}, \epsilon^{35}, \epsilon^{35}, 1) = \mathbf{P}(18, 18, 18, 1) \\
20 : P_{83220} &= \mathbf{P}(\epsilon^{22}, \epsilon^{22}, \epsilon^{22}, 1) = \mathbf{P}(19, 19, 19, 1) \\
21 : P_{87381} &= \mathbf{P}(\epsilon^{55}, \epsilon^{55}, \epsilon^{55}, 1) = \mathbf{P}(20, 20, 20, 1) \\
22 : P_{91542} &= \mathbf{P}(\epsilon^{15}, \epsilon^{15}, \epsilon^{15}, 1) = \mathbf{P}(21, 21, 21, 1) \\
23 : P_{95703} &= \mathbf{P}(\epsilon^{19}, \epsilon^{19}, \epsilon^{19}, 1) = \mathbf{P}(22, 22, 22, 1) \\
24 : P_{99864} &= \mathbf{P}(\epsilon^{26}, \epsilon^{26}, \epsilon^{26}, 1) = \mathbf{P}(23, 23, 23, 1) \\
25 : P_{104025} &= \mathbf{P}(\epsilon^{61}, \epsilon^{61}, \epsilon^{61}, 1) = \mathbf{P}(24, 24, 24, 1) \\
26 : P_{108186} &= \mathbf{P}(\epsilon^{51}, \epsilon^{51}, \epsilon^{51}, 1) = \mathbf{P}(25, 25, 25, 1) \\
27 : P_{112347} &= \mathbf{P}(\epsilon^{32}, \epsilon^{32}, \epsilon^{32}, 1) = \mathbf{P}(26, 26, 26, 1) \\
28 : P_{116508} &= \mathbf{P}(\epsilon^{29}, \epsilon^{29}, \epsilon^{29}, 1) = \mathbf{P}(27, 27, 27, 1) \\
29 : P_{120669} &= \mathbf{P}(\epsilon^{41}, \epsilon^{41}, \epsilon^{41}, 1) = \mathbf{P}(28, 28, 28, 1) \\
30 : P_{124830} &= \mathbf{P}(\epsilon^{13}, \epsilon^{13}, \epsilon^{13}, 1) = \mathbf{P}(29, 29, 29, 1) \\
31 : P_{128991} &= \mathbf{P}(\epsilon^{49}, \epsilon^{49}, \epsilon^{49}, 1) = \mathbf{P}(30, 30, 30, 1) \\
32 : P_{133152} &= \mathbf{P}(\epsilon^{11}, \epsilon^{11}, \epsilon^{11}, 1) = \mathbf{P}(31, 31, 31, 1) \\
33 : P_{137313} &= \mathbf{P}(\epsilon^5, \epsilon^5, \epsilon^5, 1) = \mathbf{P}(32, 32, 32, 1) \\
34 : P_{141474} &= \mathbf{P}(\epsilon^6, \epsilon^6, \epsilon^6, 1) = \mathbf{P}(33, 33, 33, 1) \\
35 : P_{145635} &= \mathbf{P}(\epsilon^{44}, \epsilon^{44}, \epsilon^{44}, 1) = \mathbf{P}(34, 34, 34, 1) \\
36 : P_{149796} &= \mathbf{P}(\epsilon^7, \epsilon^7, \epsilon^7, 1) = \mathbf{P}(35, 35, 35, 1) \\
37 : P_{153957} &= \mathbf{P}(\epsilon^{36}, \epsilon^{36}, \epsilon^{36}, 1) = \mathbf{P}(36, 36, 36, 1) \\
38 : P_{158118} &= \mathbf{P}(\epsilon^{45}, \epsilon^{45}, \epsilon^{45}, 1) = \mathbf{P}(37, 37, 37, 1) \\
39 : P_{162279} &= \mathbf{P}(\epsilon^{23}, \epsilon^{23}, \epsilon^{23}, 1) = \mathbf{P}(38, 38, 38, 1) \\
40 : P_{166440} &= \mathbf{P}(\epsilon^8, \epsilon^8, \epsilon^8, 1) = \mathbf{P}(39, 39, 39, 1) \\
41 : P_{170601} &= \mathbf{P}(\epsilon^{56}, \epsilon^{56}, \epsilon^{56}, 1) = \mathbf{P}(40, 40, 40, 1) \\
42 : P_{174762} &= \mathbf{P}(\epsilon^{37}, \epsilon^{37}, \epsilon^{37}, 1) = \mathbf{P}(41, 41, 41, 1) \\
43 : P_{178923} &= \mathbf{P}(\epsilon^{16}, \epsilon^{16}, \epsilon^{16}, 1) = \mathbf{P}(42, 42, 42, 1) \\
44 : P_{183084} &= \mathbf{P}(\epsilon^{46}, \epsilon^{46}, \epsilon^{46}, 1) = \mathbf{P}(43, 43, 43, 1) \\
45 : P_{187245} &= \mathbf{P}(\epsilon^{20}, \epsilon^{20}, \epsilon^{20}, 1) = \mathbf{P}(44, 44, 44, 1) \\
46 : P_{191406} &= \mathbf{P}(\epsilon^{24}, \epsilon^{24}, \epsilon^{24}, 1) = \mathbf{P}(45, 45, 45, 1) \\
47 : P_{195567} &= \mathbf{P}(\epsilon^{27}, \epsilon^{27}, \epsilon^{27}, 1) = \mathbf{P}(46, 46, 46, 1) \\
48 : P_{199728} &= \mathbf{P}(\epsilon^9, \epsilon^9, \epsilon^9, 1) = \mathbf{P}(47, 47, 47, 1) \\
49 : P_{203889} &= \mathbf{P}(\epsilon^{62}, \epsilon^{62}, \epsilon^{62}, 1) = \mathbf{P}(48, 48, 48, 1) \\
50 : P_{208050} &= \mathbf{P}(\epsilon^{57}, \epsilon^{57}, \epsilon^{57}, 1) = \mathbf{P}(49, 49, 49, 1) \\
51 : P_{212211} &= \mathbf{P}(\epsilon^{52}, \epsilon^{52}, \epsilon^{52}, 1) = \mathbf{P}(50, 50, 50, 1) \\
52 : P_{216372} &= \mathbf{P}(\epsilon^{38}, \epsilon^{38}, \epsilon^{38}, 1) = \mathbf{P}(51, 51, 51, 1) \\
53 : P_{220533} &= \mathbf{P}(\epsilon^{33}, \epsilon^{33}, \epsilon^{33}, 1) = \mathbf{P}(52, 52, 52, 1) \\
54 : P_{224694} &= \mathbf{P}(\epsilon^{17}, \epsilon^{17}, \epsilon^{17}, 1) = \mathbf{P}(53, 53, 53, 1) \\
55 : P_{228855} &= \mathbf{P}(\epsilon^{30}, \epsilon^{30}, \epsilon^{30}, 1) = \mathbf{P}(54, 54, 54, 1) \\
56 : P_{233016} &= \mathbf{P}(\epsilon^{47}, \epsilon^{47}, \epsilon^{47}, 1) = \mathbf{P}(55, 55, 55, 1) \\
57 : P_{237177} &= \mathbf{P}(\epsilon^{42}, \epsilon^{42}, \epsilon^{42}, 1) = \mathbf{P}(56, 56, 56, 1) \\
58 : P_{241338} &= \mathbf{P}(\epsilon^{21}, \epsilon^{21}, \epsilon^{21}, 1) = \mathbf{P}(57, 57, 57, 1) \\
59 : P_{245499} &= \mathbf{P}(\epsilon^{14}, \epsilon^{14}, \epsilon^{14}, 1) = \mathbf{P}(58, 58, 58, 1) \\
60 : P_{249660} &= \mathbf{P}(\epsilon^{25}, \epsilon^{25}, \epsilon^{25}, 1) = \mathbf{P}(59, 59, 59, 1) \\
61 : P_{253821} &= \mathbf{P}(\epsilon^{50}, \epsilon^{50}, \epsilon^{50}, 1) = \mathbf{P}(60, 60, 60, 1) \\
62 : P_{257982} &= \mathbf{P}(\epsilon^{28}, \epsilon^{28}, \epsilon^{28}, 1) = \mathbf{P}(61, 61, 61, 1) \\
63 : P_{262143} &= \mathbf{P}(\epsilon^{12}, \epsilon^{12}, \epsilon^{12}, 1) = \mathbf{P}(62, 62, 62, 1) \\
64 : P_{266304} &= \mathbf{P}(\epsilon^{10}, \epsilon^{10}, \epsilon^{10}, 1) = \mathbf{P}(63, 63, 63, 1)
\end{aligned}$$

The 4225 Lines

The lines and their Pluecker coordinates are:

$$\begin{aligned}
\ell_0 &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 0 \end{bmatrix}_1 = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 0 \end{bmatrix}_1 = \mathbf{Pl}(1, 0, 1, 0, 0, 0)_3 \\
\ell_1 &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4160} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4160} = \mathbf{Pl}(0, 0, 0, 0, 1, 0)_{4225} \\
\ell_2 &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{65} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{65} = \mathbf{Pl}(1, 0, 1, 0, 1, 0)_{4353} \\
\ell_3 &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{3073} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{3073} = \mathbf{Pl}(2, 0, 2, 0, 1, 0)_{4481} \\
\ell_4 &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{2049} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{2049} = \mathbf{Pl}(3, 0, 3, 0, 1, 0)_{4609} \\
\ell_5 &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{1537} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{1537} = \mathbf{Pl}(4, 0, 4, 0, 1, 0)_{4737} \\
\ell_6 &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{4033} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{4033} = \mathbf{Pl}(5, 0, 5, 0, 1, 0)_{4865} \\
\ell_7 &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{1025} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{1025} = \mathbf{Pl}(6, 0, 6, 0, 1, 0)_{4993} \\
\ell_8 &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{2881} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{2881} = \mathbf{Pl}(7, 0, 7, 0, 1, 0)_{5121} \\
\ell_9 &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{769} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{769} = \mathbf{Pl}(8, 0, 8, 0, 1, 0)_{5249}
\end{aligned}$$

$$\begin{aligned}
\ell_{10} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{1729} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{1729} = \mathbf{Pl}(9, 0, 9, 0, 1, 0)_{5377} \\
\ell_{11} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{3009} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{3009} = \mathbf{Pl}(10, 0, 10, 0, 1, 0)_{5505} \\
\ell_{12} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{2369} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{2369} = \mathbf{Pl}(11, 0, 11, 0, 1, 0)_{5633} \\
\ell_{13} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{513} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{513} = \mathbf{Pl}(12, 0, 12, 0, 1, 0)_{5761} \\
\ell_{14} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{1665} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{1665} = \mathbf{Pl}(13, 0, 13, 0, 1, 0)_{5889} \\
\ell_{15} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{2433} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{2433} = \mathbf{Pl}(14, 0, 14, 0, 1, 0)_{6017} \\
\ell_{16} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{1345} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{1345} = \mathbf{Pl}(15, 0, 15, 0, 1, 0)_{6145} \\
\ell_{17} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{385} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{385} = \mathbf{Pl}(16, 0, 16, 0, 1, 0)_{6273} \\
\ell_{18} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{2817} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{2817} = \mathbf{Pl}(17, 0, 17, 0, 1, 0)_{6401} \\
\ell_{19} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{3905} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{3905} = \mathbf{Pl}(18, 0, 18, 0, 1, 0)_{6529} \\
\ell_{20} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{1793} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{1793} = \mathbf{Pl}(19, 0, 19, 0, 1, 0)_{6657} \\
\ell_{21} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{2497} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{2497} = \mathbf{Pl}(20, 0, 20, 0, 1, 0)_{6785} \\
\ell_{22} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{961} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{961} = \mathbf{Pl}(21, 0, 21, 0, 1, 0)_{6913} \\
\ell_{23} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{2177} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{2177} = \mathbf{Pl}(22, 0, 22, 0, 1, 0)_{7041} \\
\ell_{24} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{2625} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{2625} = \mathbf{Pl}(23, 0, 23, 0, 1, 0)_{7169} \\
\ell_{25} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{257} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{257} = \mathbf{Pl}(24, 0, 24, 0, 1, 0)_{7297} \\
\ell_{26} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{3969} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{3969} = \mathbf{Pl}(25, 0, 25, 0, 1, 0)_{7425} \\
\ell_{27} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{833} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{833} = \mathbf{Pl}(26, 0, 26, 0, 1, 0)_{7553} \\
\ell_{28} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{577} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{577} = \mathbf{Pl}(27, 0, 27, 0, 1, 0)_{7681} \\
\ell_{29} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{1217} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{1217} = \mathbf{Pl}(28, 0, 28, 0, 1, 0)_{7809} \\
\ell_{30} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{3841} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{3841} = \mathbf{Pl}(29, 0, 29, 0, 1, 0)_{7937}
\end{aligned}$$

$$\begin{aligned}
\ell_{31} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{3713} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{3713} = \mathbf{Pl}(30, 0, 30, 0, 1, 0)_{8065} \\
\ell_{32} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{3201} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{3201} = \mathbf{Pl}(31, 0, 31, 0, 1, 0)_{8193} \\
\ell_{33} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{193} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{193} = \mathbf{Pl}(32, 0, 32, 0, 1, 0)_{8321} \\
\ell_{34} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{3137} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{3137} = \mathbf{Pl}(33, 0, 33, 0, 1, 0)_{8449} \\
\ell_{35} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{1409} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{1409} = \mathbf{Pl}(34, 0, 34, 0, 1, 0)_{8577} \\
\ell_{36} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{2561} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{2561} = \mathbf{Pl}(35, 0, 35, 0, 1, 0)_{8705} \\
\ell_{37} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{2945} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{2945} = \mathbf{Pl}(36, 0, 36, 0, 1, 0)_{8833} \\
\ell_{38} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{705} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{705} = \mathbf{Pl}(37, 0, 37, 0, 1, 0)_{8961} \\
\ell_{39} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{897} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{897} = \mathbf{Pl}(38, 0, 38, 0, 1, 0)_{9089} \\
\ell_{40} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{1281} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{1281} = \mathbf{Pl}(39, 0, 39, 0, 1, 0)_{9217} \\
\ell_{41} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{2241} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{2241} = \mathbf{Pl}(40, 0, 40, 0, 1, 0)_{9345} \\
\ell_{42} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{1473} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{1473} = \mathbf{Pl}(41, 0, 41, 0, 1, 0)_{9473} \\
\ell_{43} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{3521} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{3521} = \mathbf{Pl}(42, 0, 42, 0, 1, 0)_{9601} \\
\ell_{44} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{3393} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{3393} = \mathbf{Pl}(43, 0, 43, 0, 1, 0)_{9729} \\
\ell_{45} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{1089} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{1089} = \mathbf{Pl}(44, 0, 44, 0, 1, 0)_{9857} \\
\ell_{46} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{449} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{449} = \mathbf{Pl}(45, 0, 45, 0, 1, 0)_{9985} \\
\ell_{47} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{2305} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{2305} = \mathbf{Pl}(46, 0, 46, 0, 1, 0)_{10113} \\
\ell_{48} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{641} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{641} = \mathbf{Pl}(47, 0, 47, 0, 1, 0)_{10241} \\
\ell_{49} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{129} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{129} = \mathbf{Pl}(48, 0, 48, 0, 1, 0)_{10369} \\
\ell_{50} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{2113} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{2113} = \mathbf{Pl}(49, 0, 49, 0, 1, 0)_{10497} \\
\ell_{51} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{1985} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{1985} = \mathbf{Pl}(50, 0, 50, 0, 1, 0)_{10625}
\end{aligned}$$

$$\begin{aligned}
\ell_{52} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{3777} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{3777} = \mathbf{Pl}(51, 0, 51, 0, 1, 0)_{10753} \\
\ell_{53} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{3457} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{3457} = \mathbf{Pl}(52, 0, 52, 0, 1, 0)_{10881} \\
\ell_{54} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{2753} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{2753} = \mathbf{Pl}(53, 0, 53, 0, 1, 0)_{11009} \\
\ell_{55} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{3329} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{3329} = \mathbf{Pl}(54, 0, 54, 0, 1, 0)_{11137} \\
\ell_{56} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{2689} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{2689} = \mathbf{Pl}(55, 0, 55, 0, 1, 0)_{11265} \\
\ell_{57} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{3649} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{3649} = \mathbf{Pl}(56, 0, 56, 0, 1, 0)_{11393} \\
\ell_{58} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{3585} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{3585} = \mathbf{Pl}(57, 0, 57, 0, 1, 0)_{11521} \\
\ell_{59} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{1921} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{1921} = \mathbf{Pl}(58, 0, 58, 0, 1, 0)_{11649} \\
\ell_{60} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{3265} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{3265} = \mathbf{Pl}(59, 0, 59, 0, 1, 0)_{11777} \\
\ell_{61} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{1857} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{1857} = \mathbf{Pl}(60, 0, 60, 0, 1, 0)_{11905} \\
\ell_{62} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{1153} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{1153} = \mathbf{Pl}(61, 0, 61, 0, 1, 0)_{12033} \\
\ell_{63} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{1601} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{1601} = \mathbf{Pl}(62, 0, 62, 0, 1, 0)_{12161} \\
\ell_{64} &= \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{321} = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{321} = \mathbf{Pl}(63, 0, 63, 0, 1, 0)_{12289} \\
\ell_{65} &= \begin{bmatrix} 1 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8321} = \begin{bmatrix} 1 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8321} = \mathbf{Pl}(0, 0, 0, 1, 1, 0)_{12353} \\
\ell_{66} &= \begin{bmatrix} 1 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{270464} = \begin{bmatrix} 1 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{270464} = \mathbf{Pl}(0, 1, 0, 0, 1, 0)_{4289} \\
\ell_{67} &= \begin{bmatrix} 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{17043585} = \begin{bmatrix} 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{17043585} = \mathbf{Pl}(0, 1, 0, 1, 0, 0)_{193} \\
\ell_{68} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{266305} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{266305} = \mathbf{Pl}(1, 1, 1, 1, 0, 0)_{256} \\
\ell_{69} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{12782593} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{12782593} = \mathbf{Pl}(1, 1, 2, 1, 0, 0)_{319} \\
\ell_{70} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{8521729} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{8521729} = \mathbf{Pl}(1, 1, 3, 1, 0, 0)_{382} \\
\ell_{71} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{6391297} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{6391297} = \mathbf{Pl}(1, 1, 4, 1, 0, 0)_{445} \\
\ell_{72} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{16777153} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{16777153} = \mathbf{Pl}(1, 1, 5, 1, 0, 0)_{508}
\end{aligned}$$

$$\begin{aligned}
\ell_{73} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{4260865} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{4260865} = \mathbf{Pl}(1, 1, 6, 1, 0, 0)_{571} \\
\ell_{74} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{11983681} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{11983681} = \mathbf{Pl}(1, 1, 7, 1, 0, 0)_{634} \\
\ell_{75} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{3195649} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{3195649} = \mathbf{Pl}(1, 1, 8, 1, 0, 0)_{697} \\
\ell_{76} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{7190209} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{7190209} = \mathbf{Pl}(1, 1, 9, 1, 0, 0)_{760} \\
\ell_{77} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{12516289} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{12516289} = \mathbf{Pl}(1, 1, 10, 1, 0, 0)_{823} \\
\ell_{78} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{9853249} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{9853249} = \mathbf{Pl}(1, 1, 11, 1, 0, 0)_{886} \\
\ell_{79} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{2130433} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{2130433} = \mathbf{Pl}(1, 1, 12, 1, 0, 0)_{949} \\
\ell_{80} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{6923905} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{6923905} = \mathbf{Pl}(1, 1, 13, 1, 0, 0)_{1012} \\
\ell_{81} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{10119553} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{10119553} = \mathbf{Pl}(1, 1, 14, 1, 0, 0)_{1075} \\
\ell_{82} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{5592385} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{5592385} = \mathbf{Pl}(1, 1, 15, 1, 0, 0)_{1138} \\
\ell_{83} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{1597825} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{1597825} = \mathbf{Pl}(1, 1, 16, 1, 0, 0)_{1201} \\
\ell_{84} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{11717377} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{11717377} = \mathbf{Pl}(1, 1, 17, 1, 0, 0)_{1264} \\
\ell_{85} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{16244545} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{16244545} = \mathbf{Pl}(1, 1, 18, 1, 0, 0)_{1327} \\
\ell_{86} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{7456513} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{7456513} = \mathbf{Pl}(1, 1, 19, 1, 0, 0)_{1390} \\
\ell_{87} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{10385857} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{10385857} = \mathbf{Pl}(1, 1, 20, 1, 0, 0)_{1453} \\
\ell_{88} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{3994561} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{3994561} = \mathbf{Pl}(1, 1, 21, 1, 0, 0)_{1516} \\
\ell_{89} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{9054337} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{9054337} = \mathbf{Pl}(1, 1, 22, 1, 0, 0)_{1579} \\
\ell_{90} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{10918465} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{10918465} = \mathbf{Pl}(1, 1, 23, 1, 0, 0)_{1642} \\
\ell_{91} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{1065217} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{1065217} = \mathbf{Pl}(1, 1, 24, 1, 0, 0)_{1705} \\
\ell_{92} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{16510849} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{16510849} = \mathbf{Pl}(1, 1, 25, 1, 0, 0)_{1768} \\
\ell_{93} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{3461953} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{3461953} = \mathbf{Pl}(1, 1, 26, 1, 0, 0)_{1831}
\end{aligned}$$

$$\begin{aligned}
\ell_{94} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{2396737} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{2396737} = \mathbf{Pl}(1, 1, 27, 1, 0, 0)_{1894} \\
\ell_{95} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{5059777} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{5059777} = \mathbf{Pl}(1, 1, 28, 1, 0, 0)_{1957} \\
\ell_{96} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{15978241} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{15978241} = \mathbf{Pl}(1, 1, 29, 1, 0, 0)_{2020} \\
\ell_{97} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{15445633} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{15445633} = \mathbf{Pl}(1, 1, 30, 1, 0, 0)_{2083} \\
\ell_{98} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{13315201} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{13315201} = \mathbf{Pl}(1, 1, 31, 1, 0, 0)_{2146} \\
\ell_{99} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{798913} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{798913} = \mathbf{Pl}(1, 1, 32, 1, 0, 0)_{2209} \\
\ell_{100} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{13048897} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{13048897} = \mathbf{Pl}(1, 1, 33, 1, 0, 0)_{2272} \\
\ell_{101} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{5858689} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{5858689} = \mathbf{Pl}(1, 1, 34, 1, 0, 0)_{2335} \\
\ell_{102} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{10652161} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{10652161} = \mathbf{Pl}(1, 1, 35, 1, 0, 0)_{2398} \\
\ell_{103} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{12249985} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{12249985} = \mathbf{Pl}(1, 1, 36, 1, 0, 0)_{2461} \\
\ell_{104} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{2929345} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{2929345} = \mathbf{Pl}(1, 1, 37, 1, 0, 0)_{2524} \\
\ell_{105} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{3728257} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{3728257} = \mathbf{Pl}(1, 1, 38, 1, 0, 0)_{2587} \\
\ell_{106} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{5326081} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{5326081} = \mathbf{Pl}(1, 1, 39, 1, 0, 0)_{2650} \\
\ell_{107} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{9320641} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{9320641} = \mathbf{Pl}(1, 1, 40, 1, 0, 0)_{2713} \\
\ell_{108} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{6124993} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{6124993} = \mathbf{Pl}(1, 1, 41, 1, 0, 0)_{2776} \\
\ell_{109} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{14646721} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{14646721} = \mathbf{Pl}(1, 1, 42, 1, 0, 0)_{2839} \\
\ell_{110} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{14114113} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{14114113} = \mathbf{Pl}(1, 1, 43, 1, 0, 0)_{2902} \\
\ell_{111} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{4527169} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{4527169} = \mathbf{Pl}(1, 1, 44, 1, 0, 0)_{2965} \\
\ell_{112} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{1864129} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{1864129} = \mathbf{Pl}(1, 1, 45, 1, 0, 0)_{3028} \\
\ell_{113} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{9586945} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{9586945} = \mathbf{Pl}(1, 1, 46, 1, 0, 0)_{3091} \\
\ell_{114} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{2663041} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{2663041} = \mathbf{Pl}(1, 1, 47, 1, 0, 0)_{3154}
\end{aligned}$$

$$\begin{aligned}
\ell_{115} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & 0 \end{bmatrix}_{532609} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{532609} = \mathbf{Pl}(1, 1, 48, 1, 0, 0)_{3217} \\
\ell_{116} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{8788033} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{8788033} = \mathbf{Pl}(1, 1, 49, 1, 0, 0)_{3280} \\
\ell_{117} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{8255425} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{8255425} = \mathbf{Pl}(1, 1, 50, 1, 0, 0)_{3343} \\
\ell_{118} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{15711937} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{15711937} = \mathbf{Pl}(1, 1, 51, 1, 0, 0)_{3406} \\
\ell_{119} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{14380417} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{14380417} = \mathbf{Pl}(1, 1, 52, 1, 0, 0)_{3469} \\
\ell_{120} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{11451073} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{11451073} = \mathbf{Pl}(1, 1, 53, 1, 0, 0)_{3532} \\
\ell_{121} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{13847809} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{13847809} = \mathbf{Pl}(1, 1, 54, 1, 0, 0)_{3595} \\
\ell_{122} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{11184769} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{11184769} = \mathbf{Pl}(1, 1, 55, 1, 0, 0)_{3658} \\
\ell_{123} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{15179329} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{15179329} = \mathbf{Pl}(1, 1, 56, 1, 0, 0)_{3721} \\
\ell_{124} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{14913025} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{14913025} = \mathbf{Pl}(1, 1, 57, 1, 0, 0)_{3784} \\
\ell_{125} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{7989121} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{7989121} = \mathbf{Pl}(1, 1, 58, 1, 0, 0)_{3847} \\
\ell_{126} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{13581505} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{13581505} = \mathbf{Pl}(1, 1, 59, 1, 0, 0)_{3910} \\
\ell_{127} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{7722817} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{7722817} = \mathbf{Pl}(1, 1, 60, 1, 0, 0)_{3973} \\
\ell_{128} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{4793473} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{4793473} = \mathbf{Pl}(1, 1, 61, 1, 0, 0)_{4036} \\
\ell_{129} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{6657601} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{6657601} = \mathbf{Pl}(1, 1, 62, 1, 0, 0)_{4099} \\
\ell_{130} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & 0 \end{bmatrix}_{1331521} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 0 \end{bmatrix}_{1331521} = \mathbf{Pl}(1, 1, 63, 1, 0, 0)_{4162} \\
\ell_{131} &= \begin{bmatrix} 1 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{274625} = \begin{bmatrix} 1 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{274625} = \mathbf{Pl}(0, 1, 0, 1, 1, 0)_{12417} \\
\ell_{132} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{266369} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{266369} = \mathbf{Pl}(1, 1, 1, 1, 1, 0)_{20354} \\
\ell_{133} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{12785665} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{12785665} = \mathbf{Pl}(1, 1, 2, 1, 1, 0)_{20417} \\
\ell_{134} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{8523777} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{8523777} = \mathbf{Pl}(1, 1, 3, 1, 1, 0)_{20480} \\
\ell_{135} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{6392833} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{6392833} = \mathbf{Pl}(1, 1, 4, 1, 1, 0)_{20543}
\end{aligned}$$

$$\begin{aligned}
\ell_{136} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{16781185} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{16781185} = \mathbf{Pl}(1, 1, 5, 1, 1, 0)_{20606} \\
\ell_{137} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{4261889} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{4261889} = \mathbf{Pl}(1, 1, 6, 1, 1, 0)_{20669} \\
\ell_{138} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{11986561} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{11986561} = \mathbf{Pl}(1, 1, 7, 1, 1, 0)_{20732} \\
\ell_{139} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{3196417} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{3196417} = \mathbf{Pl}(1, 1, 8, 1, 1, 0)_{20795} \\
\ell_{140} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{7191937} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{7191937} = \mathbf{Pl}(1, 1, 9, 1, 1, 0)_{20858} \\
\ell_{141} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{12519297} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{12519297} = \mathbf{Pl}(1, 1, 10, 1, 1, 0)_{20921} \\
\ell_{142} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{9855617} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{9855617} = \mathbf{Pl}(1, 1, 11, 1, 1, 0)_{20984} \\
\ell_{143} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{2130945} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{2130945} = \mathbf{Pl}(1, 1, 12, 1, 1, 0)_{21047} \\
\ell_{144} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{6925569} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{6925569} = \mathbf{Pl}(1, 1, 13, 1, 1, 0)_{21110} \\
\ell_{145} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{10121985} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{10121985} = \mathbf{Pl}(1, 1, 14, 1, 1, 0)_{21173} \\
\ell_{146} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{5593729} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{5593729} = \mathbf{Pl}(1, 1, 15, 1, 1, 0)_{21236} \\
\ell_{147} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{1598209} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{1598209} = \mathbf{Pl}(1, 1, 16, 1, 1, 0)_{21299} \\
\ell_{148} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{11720193} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{11720193} = \mathbf{Pl}(1, 1, 17, 1, 1, 0)_{21362} \\
\ell_{149} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{16248449} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{16248449} = \mathbf{Pl}(1, 1, 18, 1, 1, 0)_{21425} \\
\ell_{150} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{7458305} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{7458305} = \mathbf{Pl}(1, 1, 19, 1, 1, 0)_{21488} \\
\ell_{151} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{10388353} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{10388353} = \mathbf{Pl}(1, 1, 20, 1, 1, 0)_{21551} \\
\ell_{152} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{3995521} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{3995521} = \mathbf{Pl}(1, 1, 21, 1, 1, 0)_{21614} \\
\ell_{153} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{9056513} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{9056513} = \mathbf{Pl}(1, 1, 22, 1, 1, 0)_{21677} \\
\ell_{154} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{10921089} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{10921089} = \mathbf{Pl}(1, 1, 23, 1, 1, 0)_{21740} \\
\ell_{155} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{1065473} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{1065473} = \mathbf{Pl}(1, 1, 24, 1, 1, 0)_{21803} \\
\ell_{156} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{16514817} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{16514817} = \mathbf{Pl}(1, 1, 25, 1, 1, 0)_{21866}
\end{aligned}$$

$$\begin{aligned}
\ell_{157} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{3462785} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{3462785} = \mathbf{Pl}(1, 1, 26, 1, 1, 0)_{21929} \\
\ell_{158} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{2397313} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{2397313} = \mathbf{Pl}(1, 1, 27, 1, 1, 0)_{21992} \\
\ell_{159} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{5060993} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{5060993} = \mathbf{Pl}(1, 1, 28, 1, 1, 0)_{22055} \\
\ell_{160} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{15982081} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{15982081} = \mathbf{Pl}(1, 1, 29, 1, 1, 0)_{22118} \\
\ell_{161} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{15449345} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{15449345} = \mathbf{Pl}(1, 1, 30, 1, 1, 0)_{22181} \\
\ell_{162} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{13318401} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{13318401} = \mathbf{Pl}(1, 1, 31, 1, 1, 0)_{22244} \\
\ell_{163} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{799105} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{799105} = \mathbf{Pl}(1, 1, 32, 1, 1, 0)_{22307} \\
\ell_{164} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{13052033} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{13052033} = \mathbf{Pl}(1, 1, 33, 1, 1, 0)_{22370} \\
\ell_{165} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{5860097} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{5860097} = \mathbf{Pl}(1, 1, 34, 1, 1, 0)_{22433} \\
\ell_{166} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{10654721} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{10654721} = \mathbf{Pl}(1, 1, 35, 1, 1, 0)_{22496} \\
\ell_{167} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{12252929} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{12252929} = \mathbf{Pl}(1, 1, 36, 1, 1, 0)_{22559} \\
\ell_{168} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{2930049} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{2930049} = \mathbf{Pl}(1, 1, 37, 1, 1, 0)_{22622} \\
\ell_{169} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{3729153} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{3729153} = \mathbf{Pl}(1, 1, 38, 1, 1, 0)_{22685} \\
\ell_{170} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{5327361} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{5327361} = \mathbf{Pl}(1, 1, 39, 1, 1, 0)_{22748} \\
\ell_{171} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{9322881} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{9322881} = \mathbf{Pl}(1, 1, 40, 1, 1, 0)_{22811} \\
\ell_{172} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{6126465} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{6126465} = \mathbf{Pl}(1, 1, 41, 1, 1, 0)_{22874} \\
\ell_{173} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{14650241} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{14650241} = \mathbf{Pl}(1, 1, 42, 1, 1, 0)_{22937} \\
\ell_{174} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{14117505} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{14117505} = \mathbf{Pl}(1, 1, 43, 1, 1, 0)_{23000} \\
\ell_{175} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{4528257} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{4528257} = \mathbf{Pl}(1, 1, 44, 1, 1, 0)_{23063} \\
\ell_{176} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{1864577} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{1864577} = \mathbf{Pl}(1, 1, 45, 1, 1, 0)_{23126} \\
\ell_{177} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{9589249} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{9589249} = \mathbf{Pl}(1, 1, 46, 1, 1, 0)_{23189}
\end{aligned}$$

$$\begin{aligned}
\ell_{178} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{2663681} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{2663681} = \mathbf{Pl}(1, 1, 47, 1, 1, 0)_{23252} \\
\ell_{179} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{532737} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{532737} = \mathbf{Pl}(1, 1, 48, 1, 1, 0)_{23315} \\
\ell_{180} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{8790145} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{8790145} = \mathbf{Pl}(1, 1, 49, 1, 1, 0)_{23378} \\
\ell_{181} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{8257409} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{8257409} = \mathbf{Pl}(1, 1, 50, 1, 1, 0)_{23441} \\
\ell_{182} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{15715713} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{15715713} = \mathbf{Pl}(1, 1, 51, 1, 1, 0)_{23504} \\
\ell_{183} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{14383873} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{14383873} = \mathbf{Pl}(1, 1, 52, 1, 1, 0)_{23567} \\
\ell_{184} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{11453825} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{11453825} = \mathbf{Pl}(1, 1, 53, 1, 1, 0)_{23630} \\
\ell_{185} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{13851137} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{13851137} = \mathbf{Pl}(1, 1, 54, 1, 1, 0)_{23693} \\
\ell_{186} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{11187457} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{11187457} = \mathbf{Pl}(1, 1, 55, 1, 1, 0)_{23756} \\
\ell_{187} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{15182977} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{15182977} = \mathbf{Pl}(1, 1, 56, 1, 1, 0)_{23819} \\
\ell_{188} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{14916609} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{14916609} = \mathbf{Pl}(1, 1, 57, 1, 1, 0)_{23882} \\
\ell_{189} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{7991041} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{7991041} = \mathbf{Pl}(1, 1, 58, 1, 1, 0)_{23945} \\
\ell_{190} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{13584769} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{13584769} = \mathbf{Pl}(1, 1, 59, 1, 1, 0)_{24008} \\
\ell_{191} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{7724673} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{7724673} = \mathbf{Pl}(1, 1, 60, 1, 1, 0)_{24071} \\
\ell_{192} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{4794625} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{4794625} = \mathbf{Pl}(1, 1, 61, 1, 1, 0)_{24134} \\
\ell_{193} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{6659201} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{6659201} = \mathbf{Pl}(1, 1, 62, 1, 1, 0)_{24197} \\
\ell_{194} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{1331841} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{1331841} = \mathbf{Pl}(1, 1, 63, 1, 1, 0)_{24260} \\
\ell_{195} &= \begin{bmatrix} 1 & \epsilon^{62} & \epsilon^{62} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12986480} = \begin{bmatrix} 1 & 48 & 48 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12986480} = \mathbf{Pl}(0, 48, 0, 48, 1, 0)_{18433} \\
\ell_{196} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{8523841} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{8523841} = \mathbf{Pl}(2, 48, 49, 48, 1, 0)_{209922} \\
\ell_{197} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{266433} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{266433} = \mathbf{Pl}(2, 48, 48, 48, 1, 0)_{209859} \\
\ell_{198} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{12782657} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{12782657} = \mathbf{Pl}(2, 48, 1, 48, 1, 0)_{206898}
\end{aligned}$$

$$\begin{aligned}
\ell_{199} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{6394369} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{6394369} = \mathbf{Pl}(2, 48, 2, 48, 1, 0)_{206961} \\
\ell_{200} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{16779137} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{16779137} = \mathbf{Pl}(2, 48, 50, 48, 1, 0)_{209985} \\
\ell_{201} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{4262913} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{4262913} = \mathbf{Pl}(2, 48, 3, 48, 1, 0)_{207024} \\
\ell_{202} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{11987457} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{11987457} = \mathbf{Pl}(2, 48, 51, 48, 1, 0)_{210048} \\
\ell_{203} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{3197185} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{3197185} = \mathbf{Pl}(2, 48, 4, 48, 1, 0)_{207087} \\
\ell_{204} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{7193665} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{7193665} = \mathbf{Pl}(2, 48, 52, 48, 1, 0)_{210111} \\
\ell_{205} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{12520321} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{12520321} = \mathbf{Pl}(2, 48, 5, 48, 1, 0)_{207150} \\
\ell_{206} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{9856001} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{9856001} = \mathbf{Pl}(2, 48, 53, 48, 1, 0)_{210174} \\
\ell_{207} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{2131457} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{2131457} = \mathbf{Pl}(2, 48, 6, 48, 1, 0)_{207213} \\
\ell_{208} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{6927233} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{6927233} = \mathbf{Pl}(2, 48, 54, 48, 1, 0)_{210237} \\
\ell_{209} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{10122433} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{10122433} = \mathbf{Pl}(2, 48, 7, 48, 1, 0)_{207276} \\
\ell_{210} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{5595073} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{5595073} = \mathbf{Pl}(2, 48, 55, 48, 1, 0)_{210300} \\
\ell_{211} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{1598593} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{1598593} = \mathbf{Pl}(2, 48, 8, 48, 1, 0)_{207339} \\
\ell_{212} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{11721025} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{11721025} = \mathbf{Pl}(2, 48, 56, 48, 1, 0)_{210363} \\
\ell_{213} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{16246273} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{16246273} = \mathbf{Pl}(2, 48, 9, 48, 1, 0)_{207402} \\
\ell_{214} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{7460097} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{7460097} = \mathbf{Pl}(2, 48, 57, 48, 1, 0)_{210426} \\
\ell_{215} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{10388865} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{10388865} = \mathbf{Pl}(2, 48, 10, 48, 1, 0)_{207465} \\
\ell_{216} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{3996481} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{3996481} = \mathbf{Pl}(2, 48, 58, 48, 1, 0)_{210489} \\
\ell_{217} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{9056705} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{9056705} = \mathbf{Pl}(2, 48, 11, 48, 1, 0)_{207528} \\
\ell_{218} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{10921729} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{10921729} = \mathbf{Pl}(2, 48, 59, 48, 1, 0)_{210552} \\
\ell_{219} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{1065729} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{1065729} = \mathbf{Pl}(2, 48, 12, 48, 1, 0)_{207591}
\end{aligned}$$

$$\begin{aligned}
\ell_{220} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{16512705} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{16512705} = \mathbf{Pl}(2, 48, 60, 48, 1, 0)_{210615} \\
\ell_{221} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{3463617} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{3463617} = \mathbf{Pl}(2, 48, 13, 48, 1, 0)_{207654} \\
\ell_{222} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{2397889} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{2397889} = \mathbf{Pl}(2, 48, 61, 48, 1, 0)_{210678} \\
\ell_{223} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{5062209} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{5062209} = \mathbf{Pl}(2, 48, 14, 48, 1, 0)_{207717} \\
\ell_{224} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{15979841} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{15979841} = \mathbf{Pl}(2, 48, 62, 48, 1, 0)_{210741} \\
\ell_{225} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{15446977} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{15446977} = \mathbf{Pl}(2, 48, 15, 48, 1, 0)_{207780} \\
\ell_{226} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{13315521} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{13315521} = \mathbf{Pl}(2, 48, 63, 48, 1, 0)_{210804} \\
\ell_{227} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{799297} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{799297} = \mathbf{Pl}(2, 48, 16, 48, 1, 0)_{207843} \\
\ell_{228} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{13049089} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{13049089} = \mathbf{Pl}(2, 48, 32, 48, 1, 0)_{208851} \\
\ell_{229} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{5861505} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{5861505} = \mathbf{Pl}(2, 48, 17, 48, 1, 0)_{207906} \\
\ell_{230} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{10655297} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{10655297} = \mathbf{Pl}(2, 48, 33, 48, 1, 0)_{208914} \\
\ell_{231} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{12253889} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{12253889} = \mathbf{Pl}(2, 48, 18, 48, 1, 0)_{207969} \\
\ell_{232} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{2930753} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{2930753} = \mathbf{Pl}(2, 48, 34, 48, 1, 0)_{208977} \\
\ell_{233} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{3730049} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{3730049} = \mathbf{Pl}(2, 48, 19, 48, 1, 0)_{208032} \\
\ell_{234} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{5328641} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{5328641} = \mathbf{Pl}(2, 48, 35, 48, 1, 0)_{209040} \\
\ell_{235} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{9323137} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{9323137} = \mathbf{Pl}(2, 48, 20, 48, 1, 0)_{208095} \\
\ell_{236} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{6127937} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{6127937} = \mathbf{Pl}(2, 48, 36, 48, 1, 0)_{209103} \\
\ell_{237} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{14647681} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{14647681} = \mathbf{Pl}(2, 48, 21, 48, 1, 0)_{208158} \\
\ell_{238} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{14114817} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{14114817} = \mathbf{Pl}(2, 48, 37, 48, 1, 0)_{209166} \\
\ell_{239} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{4529345} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{4529345} = \mathbf{Pl}(2, 48, 22, 48, 1, 0)_{208221} \\
\ell_{240} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{1865025} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{1865025} = \mathbf{Pl}(2, 48, 38, 48, 1, 0)_{209229}
\end{aligned}$$

$$\begin{aligned}
\ell_{241} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{9589569} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{9589569} = \mathbf{Pl}(2, 48, 23, 48, 1, 0)_{208284} \\
\ell_{242} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{2664321} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{2664321} = \mathbf{Pl}(2, 48, 39, 48, 1, 0)_{209292} \\
\ell_{243} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{532865} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{532865} = \mathbf{Pl}(2, 48, 24, 48, 1, 0)_{208347} \\
\ell_{244} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{8790273} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{8790273} = \mathbf{Pl}(2, 48, 40, 48, 1, 0)_{209355} \\
\ell_{245} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{8259393} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{8259393} = \mathbf{Pl}(2, 48, 25, 48, 1, 0)_{208410} \\
\ell_{246} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{15713409} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{15713409} = \mathbf{Pl}(2, 48, 41, 48, 1, 0)_{209418} \\
\ell_{247} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{14381249} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{14381249} = \mathbf{Pl}(2, 48, 26, 48, 1, 0)_{208473} \\
\ell_{248} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{11454593} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{11454593} = \mathbf{Pl}(2, 48, 42, 48, 1, 0)_{209481} \\
\ell_{249} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{13848385} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{13848385} = \mathbf{Pl}(2, 48, 27, 48, 1, 0)_{208536} \\
\ell_{250} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{11188161} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{11188161} = \mathbf{Pl}(2, 48, 43, 48, 1, 0)_{209544} \\
\ell_{251} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{15180545} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{15180545} = \mathbf{Pl}(2, 48, 28, 48, 1, 0)_{208599} \\
\ell_{252} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{14914113} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{14914113} = \mathbf{Pl}(2, 48, 44, 48, 1, 0)_{209607} \\
\ell_{253} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{7992961} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{7992961} = \mathbf{Pl}(2, 48, 29, 48, 1, 0)_{208662} \\
\ell_{254} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{13581953} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{13581953} = \mathbf{Pl}(2, 48, 45, 48, 1, 0)_{209670} \\
\ell_{255} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{7726529} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{7726529} = \mathbf{Pl}(2, 48, 30, 48, 1, 0)_{208725} \\
\ell_{256} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{4795777} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{4795777} = \mathbf{Pl}(2, 48, 46, 48, 1, 0)_{209733} \\
\ell_{257} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{6660801} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{6660801} = \mathbf{Pl}(2, 48, 31, 48, 1, 0)_{208788} \\
\ell_{258} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{1332161} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{1332161} = \mathbf{Pl}(2, 48, 47, 48, 1, 0)_{209796} \\
\ell_{259} &= \begin{bmatrix} 1 & \epsilon^5 & \epsilon^5 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8659040} = \begin{bmatrix} 1 & 32 & 32 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8659040} = \mathbf{Pl}(0, 32, 0, 32, 1, 0)_{16385} \\
\ell_{260} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{12785729} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{12785729} = \mathbf{Pl}(3, 32, 33, 32, 1, 0)_{145411} \\
\ell_{261} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{266497} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{266497} = \mathbf{Pl}(3, 32, 32, 32, 1, 0)_{145348}
\end{aligned}$$

$$\begin{aligned}
\ell_{262} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{8521793} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{8521793} = \mathbf{Pl}(3, 32, 1, 32, 1, 0)_{143395} \\
\ell_{263} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{6393857} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{6393857} = \mathbf{Pl}(3, 32, 35, 32, 1, 0)_{145537} \\
\ell_{264} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{16779201} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{16779201} = \mathbf{Pl}(3, 32, 3, 32, 1, 0)_{143521} \\
\ell_{265} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{4263937} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{4263937} = \mathbf{Pl}(3, 32, 2, 32, 1, 0)_{143458} \\
\ell_{266} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{11985089} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{11985089} = \mathbf{Pl}(3, 32, 34, 32, 1, 0)_{145474} \\
\ell_{267} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{3196929} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{3196929} = \mathbf{Pl}(3, 32, 39, 32, 1, 0)_{145789} \\
\ell_{268} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{7193089} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{7193089} = \mathbf{Pl}(3, 32, 7, 32, 1, 0)_{143773} \\
\ell_{269} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{12517313} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{12517313} = \mathbf{Pl}(3, 32, 6, 32, 1, 0)_{143710} \\
\ell_{270} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{9854145} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{9854145} = \mathbf{Pl}(3, 32, 38, 32, 1, 0)_{145726} \\
\ell_{271} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{2131969} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{2131969} = \mathbf{Pl}(3, 32, 4, 32, 1, 0)_{143584} \\
\ell_{272} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{6926849} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{6926849} = \mathbf{Pl}(3, 32, 36, 32, 1, 0)_{145600} \\
\ell_{273} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{10120257} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{10120257} = \mathbf{Pl}(3, 32, 37, 32, 1, 0)_{145663} \\
\ell_{274} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{5596417} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{5596417} = \mathbf{Pl}(3, 32, 5, 32, 1, 0)_{143647} \\
\ell_{275} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{1598465} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{1598465} = \mathbf{Pl}(3, 32, 47, 32, 1, 0)_{146293} \\
\ell_{276} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{11718721} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{11718721} = \mathbf{Pl}(3, 32, 15, 32, 1, 0)_{144277} \\
\ell_{277} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{16246977} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{16246977} = \mathbf{Pl}(3, 32, 14, 32, 1, 0)_{144214} \\
\ell_{278} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{7458817} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{7458817} = \mathbf{Pl}(3, 32, 46, 32, 1, 0)_{146230} \\
\ell_{279} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{10386369} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{10386369} = \mathbf{Pl}(3, 32, 12, 32, 1, 0)_{144088} \\
\ell_{280} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{3995649} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{3995649} = \mathbf{Pl}(3, 32, 44, 32, 1, 0)_{146104} \\
\ell_{281} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{9054785} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{9054785} = \mathbf{Pl}(3, 32, 45, 32, 1, 0)_{146167} \\
\ell_{282} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{10920129} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{10920129} = \mathbf{Pl}(3, 32, 13, 32, 1, 0)_{144151}
\end{aligned}$$

$$\begin{aligned}
\ell_{283} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{1065985} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{1065985} = \mathbf{Pl}(3, 32, 8, 32, 1, 0)_{143836} \\
\ell_{284} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{16513089} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{16513089} = \mathbf{Pl}(3, 32, 40, 32, 1, 0)_{145852} \\
\ell_{285} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{3463425} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{3463425} = \mathbf{Pl}(3, 32, 41, 32, 1, 0)_{145915} \\
\ell_{286} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{2398465} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{2398465} = \mathbf{Pl}(3, 32, 9, 32, 1, 0)_{143899} \\
\ell_{287} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{5063169} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{5063169} = \mathbf{Pl}(3, 32, 43, 32, 1, 0)_{146041} \\
\ell_{288} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{15980609} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{15980609} = \mathbf{Pl}(3, 32, 11, 32, 1, 0)_{144025} \\
\ell_{289} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{15448641} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{15448641} = \mathbf{Pl}(3, 32, 10, 32, 1, 0)_{143962} \\
\ell_{290} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{13318721} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{13318721} = \mathbf{Pl}(3, 32, 42, 32, 1, 0)_{145978} \\
\ell_{291} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{799233} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{799233} = \mathbf{Pl}(3, 32, 63, 32, 1, 0)_{147301} \\
\ell_{292} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{13052097} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{13052097} = \mathbf{Pl}(3, 32, 31, 32, 1, 0)_{145285} \\
\ell_{293} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{5862401} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{5862401} = \mathbf{Pl}(3, 32, 30, 32, 1, 0)_{145222} \\
\ell_{294} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{10653761} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{10653761} = \mathbf{Pl}(3, 32, 62, 32, 1, 0)_{147238} \\
\ell_{295} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{12251201} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{12251201} = \mathbf{Pl}(3, 32, 28, 32, 1, 0)_{145096} \\
\ell_{296} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{2931201} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{2931201} = \mathbf{Pl}(3, 32, 60, 32, 1, 0)_{147112} \\
\ell_{297} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{3729409} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{3729409} = \mathbf{Pl}(3, 32, 61, 32, 1, 0)_{147175} \\
\ell_{298} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{5329921} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{5329921} = \mathbf{Pl}(3, 32, 29, 32, 1, 0)_{145159} \\
\ell_{299} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{9320897} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{9320897} = \mathbf{Pl}(3, 32, 24, 32, 1, 0)_{144844} \\
\ell_{300} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{6128641} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{6128641} = \mathbf{Pl}(3, 32, 56, 32, 1, 0)_{146860} \\
\ell_{301} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{14650305} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{14650305} = \mathbf{Pl}(3, 32, 57, 32, 1, 0)_{146923} \\
\ell_{302} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{14118081} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{14118081} = \mathbf{Pl}(3, 32, 25, 32, 1, 0)_{144907} \\
\ell_{303} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{4530433} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{4530433} = \mathbf{Pl}(3, 32, 59, 32, 1, 0)_{147049}
\end{aligned}$$

$$\begin{aligned}
\ell_{304} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{1864705} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{1864705} = \mathbf{Pl}(3, 32, 27, 32, 1, 0)_{145033} \\
\ell_{305} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{9587777} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{9587777} = \mathbf{Pl}(3, 32, 26, 32, 1, 0)_{144970} \\
\ell_{306} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{2664961} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{2664961} = \mathbf{Pl}(3, 32, 58, 32, 1, 0)_{146986} \\
\ell_{307} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{532993} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{532993} = \mathbf{Pl}(3, 32, 16, 32, 1, 0)_{144340} \\
\ell_{308} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{8788161} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{8788161} = \mathbf{Pl}(3, 32, 48, 32, 1, 0)_{146356} \\
\ell_{309} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{8257537} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{8257537} = \mathbf{Pl}(3, 32, 49, 32, 1, 0)_{146419} \\
\ell_{310} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{15714753} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{15714753} = \mathbf{Pl}(3, 32, 17, 32, 1, 0)_{144403} \\
\ell_{311} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{14384193} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{14384193} = \mathbf{Pl}(3, 32, 51, 32, 1, 0)_{146545} \\
\ell_{312} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{11452865} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{11452865} = \mathbf{Pl}(3, 32, 19, 32, 1, 0)_{144529} \\
\ell_{313} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{13851713} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{13851713} = \mathbf{Pl}(3, 32, 18, 32, 1, 0)_{144466} \\
\ell_{314} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{11186753} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{11186753} = \mathbf{Pl}(3, 32, 50, 32, 1, 0)_{146482} \\
\ell_{315} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{15182017} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{15182017} = \mathbf{Pl}(3, 32, 55, 32, 1, 0)_{146797} \\
\ell_{316} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{14915649} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{14915649} = \mathbf{Pl}(3, 32, 23, 32, 1, 0)_{144781} \\
\ell_{317} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{7991297} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{7991297} = \mathbf{Pl}(3, 32, 22, 32, 1, 0)_{144718} \\
\ell_{318} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{13584833} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{13584833} = \mathbf{Pl}(3, 32, 54, 32, 1, 0)_{146734} \\
\ell_{319} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{7725313} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{7725313} = \mathbf{Pl}(3, 32, 20, 32, 1, 0)_{144592} \\
\ell_{320} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{4796929} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{4796929} = \mathbf{Pl}(3, 32, 52, 32, 1, 0)_{146608} \\
\ell_{321} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{6660353} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{6660353} = \mathbf{Pl}(3, 32, 53, 32, 1, 0)_{146671} \\
\ell_{322} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{1332481} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{1332481} = \mathbf{Pl}(3, 32, 21, 32, 1, 0)_{144655} \\
\ell_{323} &= \begin{bmatrix} 1 & \epsilon^{61} & \epsilon^{61} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{6495320} = \begin{bmatrix} 1 & 24 & 24 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{6495320} = \mathbf{Pl}(0, 24, 0, 24, 1, 0)_{15361} \\
\ell_{324} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{16781121} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{16781121} = \mathbf{Pl}(4, 24, 25, 24, 1, 0)_{113156}
\end{aligned}$$

$$\begin{aligned}
\ell_{325} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{266561} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{266561} = \mathbf{Pl}(4, 24, 24, 24, 1, 0)_{113093} \\
\ell_{326} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{12782721} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{12782721} = \mathbf{Pl}(4, 24, 48, 24, 1, 0)_{114605} \\
\ell_{327} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{8523969} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{8523969} = \mathbf{Pl}(4, 24, 40, 24, 1, 0)_{114101} \\
\ell_{328} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{6391361} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{6391361} = \mathbf{Pl}(4, 24, 1, 24, 1, 0)_{111644} \\
\ell_{329} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{4262977} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{4262977} = \mathbf{Pl}(4, 24, 49, 24, 1, 0)_{114668} \\
\ell_{330} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{11985153} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{11985153} = \mathbf{Pl}(4, 24, 41, 24, 1, 0)_{114164} \\
\ell_{331} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{3198721} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{3198721} = \mathbf{Pl}(4, 24, 2, 24, 1, 0)_{111707} \\
\ell_{332} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{7191041} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{7191041} = \mathbf{Pl}(4, 24, 26, 24, 1, 0)_{113219} \\
\ell_{333} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{12518273} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{12518273} = \mathbf{Pl}(4, 24, 50, 24, 1, 0)_{114731} \\
\ell_{334} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{9856769} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{9856769} = \mathbf{Pl}(4, 24, 42, 24, 1, 0)_{114227} \\
\ell_{335} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{2132481} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{2132481} = \mathbf{Pl}(4, 24, 3, 24, 1, 0)_{111770} \\
\ell_{336} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{6924481} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{6924481} = \mathbf{Pl}(4, 24, 27, 24, 1, 0)_{113282} \\
\ell_{337} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{10123329} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{10123329} = \mathbf{Pl}(4, 24, 51, 24, 1, 0)_{114794} \\
\ell_{338} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{5595777} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{5595777} = \mathbf{Pl}(4, 24, 43, 24, 1, 0)_{114290} \\
\ell_{339} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{1599361} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{1599361} = \mathbf{Pl}(4, 24, 4, 24, 1, 0)_{111833} \\
\ell_{340} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{11718593} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{11718593} = \mathbf{Pl}(4, 24, 28, 24, 1, 0)_{113345} \\
\ell_{341} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{16248001} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{16248001} = \mathbf{Pl}(4, 24, 52, 24, 1, 0)_{114857} \\
\ell_{342} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{7457601} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{7457601} = \mathbf{Pl}(4, 24, 44, 24, 1, 0)_{114353} \\
\ell_{343} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{10389889} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{10389889} = \mathbf{Pl}(4, 24, 5, 24, 1, 0)_{111896} \\
\ell_{344} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{3998401} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{3998401} = \mathbf{Pl}(4, 24, 29, 24, 1, 0)_{113408} \\
\ell_{345} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{9057089} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{9057089} = \mathbf{Pl}(4, 24, 53, 24, 1, 0)_{114920}
\end{aligned}$$

$$\begin{aligned}
\ell_{346} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{10918913} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{10918913} = \mathbf{Pl}(4, 24, 45, 24, 1, 0)_{114416} \\
\ell_{347} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{1066241} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{1066241} = \mathbf{Pl}(4, 24, 6, 24, 1, 0)_{111959} \\
\ell_{348} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{16514561} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{16514561} = \mathbf{Pl}(4, 24, 30, 24, 1, 0)_{113471} \\
\ell_{349} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{3465281} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{3465281} = \mathbf{Pl}(4, 24, 54, 24, 1, 0)_{114983} \\
\ell_{350} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{2399041} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{2399041} = \mathbf{Pl}(4, 24, 46, 24, 1, 0)_{114479} \\
\ell_{351} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{5062657} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{5062657} = \mathbf{Pl}(4, 24, 7, 24, 1, 0)_{112022} \\
\ell_{352} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{15981441} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{15981441} = \mathbf{Pl}(4, 24, 31, 24, 1, 0)_{113534} \\
\ell_{353} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{15448321} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{15448321} = \mathbf{Pl}(4, 24, 55, 24, 1, 0)_{115046} \\
\ell_{354} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{13315841} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{13315841} = \mathbf{Pl}(4, 24, 47, 24, 1, 0)_{114542} \\
\ell_{355} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{799681} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{799681} = \mathbf{Pl}(4, 24, 8, 24, 1, 0)_{112085} \\
\ell_{356} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{13049281} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{13049281} = \mathbf{Pl}(4, 24, 16, 24, 1, 0)_{112589} \\
\ell_{357} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{5862337} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{5862337} = \mathbf{Pl}(4, 24, 56, 24, 1, 0)_{115109} \\
\ell_{358} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{10652353} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{10652353} = \mathbf{Pl}(4, 24, 32, 24, 1, 0)_{113597} \\
\ell_{359} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{12251713} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{12251713} = \mathbf{Pl}(4, 24, 9, 24, 1, 0)_{112148} \\
\ell_{360} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{2932161} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{2932161} = \mathbf{Pl}(4, 24, 17, 24, 1, 0)_{112652} \\
\ell_{361} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{3731841} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{3731841} = \mathbf{Pl}(4, 24, 57, 24, 1, 0)_{115172} \\
\ell_{362} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{5329217} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{5329217} = \mathbf{Pl}(4, 24, 33, 24, 1, 0)_{113660} \\
\ell_{363} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{9323649} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{9323649} = \mathbf{Pl}(4, 24, 10, 24, 1, 0)_{112211} \\
\ell_{364} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{6128897} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{6128897} = \mathbf{Pl}(4, 24, 18, 24, 1, 0)_{112715} \\
\ell_{365} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{14648641} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{14648641} = \mathbf{Pl}(4, 24, 58, 24, 1, 0)_{115235} \\
\ell_{366} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{14115521} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{14115521} = \mathbf{Pl}(4, 24, 34, 24, 1, 0)_{113723}
\end{aligned}$$

$$\begin{aligned}
\ell_{367} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{4529537} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{4529537} = \mathbf{Pl}(4, 24, 11, 24, 1, 0)_{112274} \\
\ell_{368} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{1865921} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{1865921} = \mathbf{Pl}(4, 24, 19, 24, 1, 0)_{112778} \\
\ell_{369} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{9590209} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{9590209} = \mathbf{Pl}(4, 24, 59, 24, 1, 0)_{115298} \\
\ell_{370} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{2665601} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{2665601} = \mathbf{Pl}(4, 24, 35, 24, 1, 0)_{113786} \\
\ell_{371} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{533121} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{533121} = \mathbf{Pl}(4, 24, 12, 24, 1, 0)_{112337} \\
\ell_{372} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{8790529} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{8790529} = \mathbf{Pl}(4, 24, 20, 24, 1, 0)_{112841} \\
\ell_{373} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{8257281} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{8257281} = \mathbf{Pl}(4, 24, 60, 24, 1, 0)_{115361} \\
\ell_{374} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{15714881} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{15714881} = \mathbf{Pl}(4, 24, 36, 24, 1, 0)_{113849} \\
\ell_{375} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{14382081} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{14382081} = \mathbf{Pl}(4, 24, 13, 24, 1, 0)_{112400} \\
\ell_{376} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{11452033} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{11452033} = \mathbf{Pl}(4, 24, 21, 24, 1, 0)_{112904} \\
\ell_{377} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{13848961} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{13848961} = \mathbf{Pl}(4, 24, 61, 24, 1, 0)_{115424} \\
\ell_{378} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{11185473} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{11185473} = \mathbf{Pl}(4, 24, 37, 24, 1, 0)_{113912} \\
\ell_{379} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{15181761} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{15181761} = \mathbf{Pl}(4, 24, 14, 24, 1, 0)_{112463} \\
\ell_{380} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{14915201} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{14915201} = \mathbf{Pl}(4, 24, 22, 24, 1, 0)_{112967} \\
\ell_{381} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{7990721} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{7990721} = \mathbf{Pl}(4, 24, 62, 24, 1, 0)_{115487} \\
\ell_{382} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{13582401} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{13582401} = \mathbf{Pl}(4, 24, 38, 24, 1, 0)_{113975} \\
\ell_{383} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{7724161} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{7724161} = \mathbf{Pl}(4, 24, 15, 24, 1, 0)_{112526} \\
\ell_{384} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{4796097} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{4796097} = \mathbf{Pl}(4, 24, 23, 24, 1, 0)_{113030} \\
\ell_{385} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{6657921} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{6657921} = \mathbf{Pl}(4, 24, 63, 24, 1, 0)_{115550} \\
\ell_{386} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{1332801} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{1332801} = \mathbf{Pl}(4, 24, 39, 24, 1, 0)_{114038} \\
\ell_{387} &= \begin{bmatrix} 1 & \epsilon^{10} & \epsilon^{10} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{17043455} = \begin{bmatrix} 1 & 63 & 63 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{17043455} = \mathbf{Pl}(0, 63, 0, 63, 1, 0)_{20353}
\end{aligned}$$

$$\begin{aligned}
\ell_{388} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{6392897} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{6392897} = \mathbf{Pl}(5, 63, 62, 63, 1, 0)_{270279} \\
\ell_{389} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{266625} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{266625} = \mathbf{Pl}(5, 63, 63, 63, 1, 0)_{270342} \\
\ell_{390} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{12785793} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{12785793} = \mathbf{Pl}(5, 63, 31, 63, 1, 0)_{268326} \\
\ell_{391} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{8521921} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{8521921} = \mathbf{Pl}(5, 63, 32, 63, 1, 0)_{268389} \\
\ell_{392} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{16777217} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{16777217} = \mathbf{Pl}(5, 63, 1, 63, 1, 0)_{266436} \\
\ell_{393} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{4264001} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{4264001} = \mathbf{Pl}(5, 63, 33, 63, 1, 0)_{268452} \\
\ell_{394} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{11987393} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{11987393} = \mathbf{Pl}(5, 63, 30, 63, 1, 0)_{268263} \\
\ell_{395} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{3199489} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{3199489} = \mathbf{Pl}(5, 63, 29, 63, 1, 0)_{268200} \\
\ell_{396} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{7191617} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{7191617} = \mathbf{Pl}(5, 63, 34, 63, 1, 0)_{268515} \\
\ell_{397} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{12519361} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{12519361} = \mathbf{Pl}(5, 63, 2, 63, 1, 0)_{266499} \\
\ell_{398} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{9854401} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{9854401} = \mathbf{Pl}(5, 63, 61, 63, 1, 0)_{270216} \\
\ell_{399} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{2132993} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{2132993} = \mathbf{Pl}(5, 63, 35, 63, 1, 0)_{268578} \\
\ell_{400} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{6925121} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{6925121} = \mathbf{Pl}(5, 63, 28, 63, 1, 0)_{268137} \\
\ell_{401} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{10121409} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{10121409} = \mathbf{Pl}(5, 63, 60, 63, 1, 0)_{270153} \\
\ell_{402} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{5594433} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{5594433} = \mathbf{Pl}(5, 63, 3, 63, 1, 0)_{266562} \\
\ell_{403} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{1599745} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{1599745} = \mathbf{Pl}(5, 63, 58, 63, 1, 0)_{270027} \\
\ell_{404} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{11721409} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{11721409} = \mathbf{Pl}(5, 63, 5, 63, 1, 0)_{266688} \\
\ell_{405} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{16245249} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{16245249} = \mathbf{Pl}(5, 63, 37, 63, 1, 0)_{268704} \\
\ell_{406} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{7457345} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{7457345} = \mathbf{Pl}(5, 63, 26, 63, 1, 0)_{268011} \\
\ell_{407} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{10387393} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{10387393} = \mathbf{Pl}(5, 63, 4, 63, 1, 0)_{266625} \\
\ell_{408} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{3997825} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{3997825} = \mathbf{Pl}(5, 63, 59, 63, 1, 0)_{270090}
\end{aligned}$$

$$\begin{aligned}
\ell_{409} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{9054913} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{9054913} = \mathbf{Pl}(5, 63, 27, 63, 1, 0)_{268074} \\
\ell_{410} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{10921409} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{10921409} = \mathbf{Pl}(5, 63, 36, 63, 1, 0)_{268641} \\
\ell_{411} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{1066497} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{1066497} = \mathbf{Pl}(5, 63, 39, 63, 1, 0)_{268830} \\
\ell_{412} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{16511105} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{16511105} = \mathbf{Pl}(5, 63, 24, 63, 1, 0)_{267885} \\
\ell_{413} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{3465601} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{3465601} = \mathbf{Pl}(5, 63, 56, 63, 1, 0)_{269901} \\
\ell_{414} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{2399617} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{2399617} = \mathbf{Pl}(5, 63, 7, 63, 1, 0)_{266814} \\
\ell_{415} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{5063745} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{5063745} = \mathbf{Pl}(5, 63, 25, 63, 1, 0)_{267948} \\
\ell_{416} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{15979137} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{15979137} = \mathbf{Pl}(5, 63, 38, 63, 1, 0)_{268767} \\
\ell_{417} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{15446657} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{15446657} = \mathbf{Pl}(5, 63, 6, 63, 1, 0)_{266751} \\
\ell_{418} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{13318785} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{13318785} = \mathbf{Pl}(5, 63, 57, 63, 1, 0)_{269964} \\
\ell_{419} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{799873} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{799873} = \mathbf{Pl}(5, 63, 21, 63, 1, 0)_{267696} \\
\ell_{420} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{13052417} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{13052417} = \mathbf{Pl}(5, 63, 42, 63, 1, 0)_{269019} \\
\ell_{421} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{5861697} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{5861697} = \mathbf{Pl}(5, 63, 10, 63, 1, 0)_{267003} \\
\ell_{422} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{10654913} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{10654913} = \mathbf{Pl}(5, 63, 53, 63, 1, 0)_{269712} \\
\ell_{423} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{12253377} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{12253377} = \mathbf{Pl}(5, 63, 43, 63, 1, 0)_{269082} \\
\ell_{424} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{2931841} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{2931841} = \mathbf{Pl}(5, 63, 20, 63, 1, 0)_{267633} \\
\ell_{425} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{3731713} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{3731713} = \mathbf{Pl}(5, 63, 52, 63, 1, 0)_{269649} \\
\ell_{426} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{5328449} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{5328449} = \mathbf{Pl}(5, 63, 11, 63, 1, 0)_{267066} \\
\ell_{427} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{9321409} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{9321409} = \mathbf{Pl}(5, 63, 8, 63, 1, 0)_{266877} \\
\ell_{428} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{6127681} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{6127681} = \mathbf{Pl}(5, 63, 55, 63, 1, 0)_{269838} \\
\ell_{429} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{14649345} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{14649345} = \mathbf{Pl}(5, 63, 23, 63, 1, 0)_{267822}
\end{aligned}$$

$$\begin{aligned}
\ell_{430} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{14116353} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{14116353} = \mathbf{Pl}(5, 63, 40, 63, 1, 0)_{268893} \\
\ell_{431} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{4530497} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{4530497} = \mathbf{Pl}(5, 63, 54, 63, 1, 0)_{269775} \\
\ell_{432} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{1865857} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{1865857} = \mathbf{Pl}(5, 63, 9, 63, 1, 0)_{266940} \\
\ell_{433} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{9588417} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{9588417} = \mathbf{Pl}(5, 63, 41, 63, 1, 0)_{268956} \\
\ell_{434} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{2665217} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{2665217} = \mathbf{Pl}(5, 63, 22, 63, 1, 0)_{267759} \\
\ell_{435} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{533249} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{533249} = \mathbf{Pl}(5, 63, 47, 63, 1, 0)_{269334} \\
\ell_{436} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{8788417} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{8788417} = \mathbf{Pl}(5, 63, 16, 63, 1, 0)_{267381} \\
\ell_{437} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{8255553} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{8255553} = \mathbf{Pl}(5, 63, 48, 63, 1, 0)_{269397} \\
\ell_{438} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{15713281} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{15713281} = \mathbf{Pl}(5, 63, 15, 63, 1, 0)_{267318} \\
\ell_{439} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{14383233} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{14383233} = \mathbf{Pl}(5, 63, 17, 63, 1, 0)_{267444} \\
\ell_{440} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{11453377} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{11453377} = \mathbf{Pl}(5, 63, 46, 63, 1, 0)_{269271} \\
\ell_{441} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{13850241} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{13850241} = \mathbf{Pl}(5, 63, 14, 63, 1, 0)_{267255} \\
\ell_{442} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{11186881} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{11186881} = \mathbf{Pl}(5, 63, 49, 63, 1, 0)_{269460} \\
\ell_{443} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{15181313} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{15181313} = \mathbf{Pl}(5, 63, 50, 63, 1, 0)_{269523} \\
\ell_{444} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{14914689} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{14914689} = \mathbf{Pl}(5, 63, 13, 63, 1, 0)_{267192} \\
\ell_{445} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{7989569} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{7989569} = \mathbf{Pl}(5, 63, 45, 63, 1, 0)_{269208} \\
\ell_{446} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{13585409} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{13585409} = \mathbf{Pl}(5, 63, 18, 63, 1, 0)_{267507} \\
\ell_{447} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{7723329} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{7723329} = \mathbf{Pl}(5, 63, 12, 63, 1, 0)_{267129} \\
\ell_{448} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{4797249} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{4797249} = \mathbf{Pl}(5, 63, 51, 63, 1, 0)_{269586} \\
\ell_{449} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{6659393} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{6659393} = \mathbf{Pl}(5, 63, 19, 63, 1, 0)_{267570} \\
\ell_{450} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{1332609} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{1332609} = \mathbf{Pl}(5, 63, 44, 63, 1, 0)_{269145}
\end{aligned}$$

$$\begin{aligned}
\ell_{451} &= \begin{bmatrix} 1 & \epsilon^4 & \epsilon^4 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4331600} = \begin{bmatrix} 1 & 16 & 16 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4331600} = \mathbf{Pl}(0, 16, 0, 16, 1, 0)_{14337} \\
\ell_{452} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{11986497} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{11986497} = \mathbf{Pl}(6, 16, 17, 16, 1, 0)_{80902} \\
\ell_{453} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{266689} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{266689} = \mathbf{Pl}(6, 16, 16, 16, 1, 0)_{80839} \\
\ell_{454} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{12782785} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{12782785} = \mathbf{Pl}(6, 16, 32, 16, 1, 0)_{81847} \\
\ell_{455} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{8521857} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{8521857} = \mathbf{Pl}(6, 16, 48, 16, 1, 0)_{82855} \\
\ell_{456} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{6394433} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{6394433} = \mathbf{Pl}(6, 16, 33, 16, 1, 0)_{81910} \\
\ell_{457} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{16779265} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{16779265} = \mathbf{Pl}(6, 16, 49, 16, 1, 0)_{82918} \\
\ell_{458} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{4260929} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{4260929} = \mathbf{Pl}(6, 16, 1, 16, 1, 0)_{79894} \\
\ell_{459} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{3198209} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{3198209} = \mathbf{Pl}(6, 16, 35, 16, 1, 0)_{82036} \\
\ell_{460} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{7193985} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{7193985} = \mathbf{Pl}(6, 16, 51, 16, 1, 0)_{83044} \\
\ell_{461} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{12518337} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{12518337} = \mathbf{Pl}(6, 16, 3, 16, 1, 0)_{80020} \\
\ell_{462} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{9855041} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{9855041} = \mathbf{Pl}(6, 16, 19, 16, 1, 0)_{81028} \\
\ell_{463} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{2133505} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{2133505} = \mathbf{Pl}(6, 16, 2, 16, 1, 0)_{79957} \\
\ell_{464} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{6927809} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{6927809} = \mathbf{Pl}(6, 16, 18, 16, 1, 0)_{80965} \\
\ell_{465} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{10120961} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{10120961} = \mathbf{Pl}(6, 16, 34, 16, 1, 0)_{81973} \\
\ell_{466} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{5594369} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{5594369} = \mathbf{Pl}(6, 16, 50, 16, 1, 0)_{82981} \\
\ell_{467} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{1599105} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{1599105} = \mathbf{Pl}(6, 16, 39, 16, 1, 0)_{82288} \\
\ell_{468} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{11720065} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{11720065} = \mathbf{Pl}(6, 16, 55, 16, 1, 0)_{83296} \\
\ell_{469} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{16247425} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{16247425} = \mathbf{Pl}(6, 16, 7, 16, 1, 0)_{80272} \\
\ell_{470} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{7459137} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{7459137} = \mathbf{Pl}(6, 16, 23, 16, 1, 0)_{81280} \\
\ell_{471} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{10386881} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{10386881} = \mathbf{Pl}(6, 16, 6, 16, 1, 0)_{80209}
\end{aligned}$$

$$\begin{aligned}
\ell_{472} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{3996737} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{3996737} = \mathbf{Pl}(6, 16, 22, 16, 1, 0)_{81217} \\
\ell_{473} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{9055233} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{9055233} = \mathbf{Pl}(6, 16, 38, 16, 1, 0)_{82225} \\
\ell_{474} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{10921793} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{10921793} = \mathbf{Pl}(6, 16, 54, 16, 1, 0)_{83233} \\
\ell_{475} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{1066753} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{1066753} = \mathbf{Pl}(6, 16, 4, 16, 1, 0)_{80083} \\
\ell_{476} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{16513345} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{16513345} = \mathbf{Pl}(6, 16, 20, 16, 1, 0)_{81091} \\
\ell_{477} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{3464897} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{3464897} = \mathbf{Pl}(6, 16, 36, 16, 1, 0)_{82099} \\
\ell_{478} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{2400193} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{2400193} = \mathbf{Pl}(6, 16, 52, 16, 1, 0)_{83107} \\
\ell_{479} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{5060481} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{5060481} = \mathbf{Pl}(6, 16, 37, 16, 1, 0)_{82162} \\
\ell_{480} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{15980993} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{15980993} = \mathbf{Pl}(6, 16, 53, 16, 1, 0)_{83170} \\
\ell_{481} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{15449665} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{15449665} = \mathbf{Pl}(6, 16, 5, 16, 1, 0)_{80146} \\
\ell_{482} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{13316161} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{13316161} = \mathbf{Pl}(6, 16, 21, 16, 1, 0)_{81154} \\
\ell_{483} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{799553} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{799553} = \mathbf{Pl}(6, 16, 47, 16, 1, 0)_{82792} \\
\ell_{484} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{13049217} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{13049217} = \mathbf{Pl}(6, 16, 63, 16, 1, 0)_{83800} \\
\ell_{485} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{5860033} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{5860033} = \mathbf{Pl}(6, 16, 15, 16, 1, 0)_{80776} \\
\ell_{486} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{10655361} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{10655361} = \mathbf{Pl}(6, 16, 31, 16, 1, 0)_{81784} \\
\ell_{487} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{12252417} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{12252417} = \mathbf{Pl}(6, 16, 14, 16, 1, 0)_{80713} \\
\ell_{488} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{2933057} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{2933057} = \mathbf{Pl}(6, 16, 30, 16, 1, 0)_{81721} \\
\ell_{489} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{3730561} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{3730561} = \mathbf{Pl}(6, 16, 46, 16, 1, 0)_{82729} \\
\ell_{490} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{5327681} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{5327681} = \mathbf{Pl}(6, 16, 62, 16, 1, 0)_{83737} \\
\ell_{491} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{9321153} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{9321153} = \mathbf{Pl}(6, 16, 12, 16, 1, 0)_{80587} \\
\ell_{492} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{6126209} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{6126209} = \mathbf{Pl}(6, 16, 28, 16, 1, 0)_{81595}
\end{aligned}$$

$$\begin{aligned}
\ell_{493} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{14647809} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{14647809} = \mathbf{Pl}(6, 16, 44, 16, 1, 0)_{82603} \\
\ell_{494} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{14115969} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{14115969} = \mathbf{Pl}(6, 16, 60, 16, 1, 0)_{83611} \\
\ell_{495} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{4527617} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{4527617} = \mathbf{Pl}(6, 16, 45, 16, 1, 0)_{82666} \\
\ell_{496} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{1865281} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{1865281} = \mathbf{Pl}(6, 16, 61, 16, 1, 0)_{83674} \\
\ell_{497} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{9588609} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{9588609} = \mathbf{Pl}(6, 16, 13, 16, 1, 0)_{80650} \\
\ell_{498} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{2666881} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{2666881} = \mathbf{Pl}(6, 16, 29, 16, 1, 0)_{81658} \\
\ell_{499} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{533377} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{533377} = \mathbf{Pl}(6, 16, 8, 16, 1, 0)_{80335} \\
\ell_{500} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{8788289} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{8788289} = \mathbf{Pl}(6, 16, 24, 16, 1, 0)_{81343} \\
\ell_{501} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{8257665} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{8257665} = \mathbf{Pl}(6, 16, 40, 16, 1, 0)_{82351} \\
\ell_{502} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{15715585} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{15715585} = \mathbf{Pl}(6, 16, 56, 16, 1, 0)_{83359} \\
\ell_{503} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{14381889} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{14381889} = \mathbf{Pl}(6, 16, 41, 16, 1, 0)_{82414} \\
\ell_{504} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{11454657} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{11454657} = \mathbf{Pl}(6, 16, 57, 16, 1, 0)_{83422} \\
\ell_{505} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{13849537} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{13849537} = \mathbf{Pl}(6, 16, 9, 16, 1, 0)_{80398} \\
\ell_{506} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{11188737} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{11188737} = \mathbf{Pl}(6, 16, 25, 16, 1, 0)_{81406} \\
\ell_{507} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{15182721} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{15182721} = \mathbf{Pl}(6, 16, 43, 16, 1, 0)_{82540} \\
\ell_{508} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{14916289} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{14916289} = \mathbf{Pl}(6, 16, 59, 16, 1, 0)_{83548} \\
\ell_{509} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{7991489} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{7991489} = \mathbf{Pl}(6, 16, 11, 16, 1, 0)_{80524} \\
\ell_{510} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{13582081} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{13582081} = \mathbf{Pl}(6, 16, 27, 16, 1, 0)_{81532} \\
\ell_{511} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{7725825} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{7725825} = \mathbf{Pl}(6, 16, 10, 16, 1, 0)_{80461} \\
\ell_{512} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{4794305} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{4794305} = \mathbf{Pl}(6, 16, 26, 16, 1, 0)_{81469} \\
\ell_{513} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{6661121} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{6661121} = \mathbf{Pl}(6, 16, 42, 16, 1, 0)_{82477}
\end{aligned}$$

$$\begin{aligned}
\ell_{514} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{1333441} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{1333441} = \mathbf{Pl}(6, 16, 58, 16, 1, 0)_{83485} \\
\ell_{515} &= \begin{bmatrix} 1 & \epsilon^{24} & \epsilon^{24} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12175085} = \begin{bmatrix} 1 & 45 & 45 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12175085} = \mathbf{Pl}(0, 45, 0, 45, 1, 0)_{18049} \\
\ell_{516} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{4261953} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{4261953} = \mathbf{Pl}(7, 45, 44, 45, 1, 0)_{197705} \\
\ell_{517} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{266753} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{266753} = \mathbf{Pl}(7, 45, 45, 45, 1, 0)_{197768} \\
\ell_{518} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{12785857} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{12785857} = \mathbf{Pl}(7, 45, 59, 45, 1, 0)_{198650} \\
\ell_{519} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{8523905} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{8523905} = \mathbf{Pl}(7, 45, 22, 45, 1, 0)_{196319} \\
\ell_{520} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{6393921} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{6393921} = \mathbf{Pl}(7, 45, 23, 45, 1, 0)_{196382} \\
\ell_{521} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{16779073} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{16779073} = \mathbf{Pl}(7, 45, 58, 45, 1, 0)_{198587} \\
\ell_{522} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{11983745} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{11983745} = \mathbf{Pl}(7, 45, 1, 45, 1, 0)_{194996} \\
\ell_{523} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{3197953} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{3197953} = \mathbf{Pl}(7, 45, 46, 45, 1, 0)_{197831} \\
\ell_{524} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{7192257} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{7192257} = \mathbf{Pl}(7, 45, 3, 45, 1, 0)_{195122} \\
\ell_{525} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{12517249} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{12517249} = \mathbf{Pl}(7, 45, 21, 45, 1, 0)_{196256} \\
\ell_{526} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{9856897} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{9856897} = \mathbf{Pl}(7, 45, 56, 45, 1, 0)_{198461} \\
\ell_{527} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{2134017} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{2134017} = \mathbf{Pl}(7, 45, 57, 45, 1, 0)_{198524} \\
\ell_{528} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{6926401} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{6926401} = \mathbf{Pl}(7, 45, 20, 45, 1, 0)_{196193} \\
\ell_{529} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{10122625} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{10122625} = \mathbf{Pl}(7, 45, 2, 45, 1, 0)_{195059} \\
\ell_{530} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{5593025} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{5593025} = \mathbf{Pl}(7, 45, 47, 45, 1, 0)_{197894} \\
\ell_{531} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{1598977} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{1598977} = \mathbf{Pl}(7, 45, 61, 45, 1, 0)_{198776} \\
\ell_{532} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{11717761} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{11717761} = \mathbf{Pl}(7, 45, 16, 45, 1, 0)_{195941} \\
\ell_{533} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{16245569} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{16245569} = \mathbf{Pl}(7, 45, 6, 45, 1, 0)_{195311} \\
\ell_{534} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{7459905} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{7459905} = \mathbf{Pl}(7, 45, 43, 45, 1, 0)_{197642}
\end{aligned}$$

$$\begin{aligned}
\ell_{535} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{10389377} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{10389377} = \mathbf{Pl}(7, 45, 42, 45, 1, 0)_{197579} \\
\ell_{536} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{3997441} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{3997441} = \mathbf{Pl}(7, 45, 7, 45, 1, 0)_{195374} \\
\ell_{537} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{9057153} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{9057153} = \mathbf{Pl}(7, 45, 17, 45, 1, 0)_{196004} \\
\ell_{538} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{10920321} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{10920321} = \mathbf{Pl}(7, 45, 60, 45, 1, 0)_{198713} \\
\ell_{539} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{1067009} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{1067009} = \mathbf{Pl}(7, 45, 19, 45, 1, 0)_{196130} \\
\ell_{540} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{16512449} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{16512449} = \mathbf{Pl}(7, 45, 62, 45, 1, 0)_{198839} \\
\ell_{541} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{3464193} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{3464193} = \mathbf{Pl}(7, 45, 40, 45, 1, 0)_{197453} \\
\ell_{542} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{2400769} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{2400769} = \mathbf{Pl}(7, 45, 5, 45, 1, 0)_{195248} \\
\ell_{543} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{5061313} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{5061313} = \mathbf{Pl}(7, 45, 4, 45, 1, 0)_{195185} \\
\ell_{544} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{15979713} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{15979713} = \mathbf{Pl}(7, 45, 41, 45, 1, 0)_{197516} \\
\ell_{545} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{15445953} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{15445953} = \mathbf{Pl}(7, 45, 63, 45, 1, 0)_{198902} \\
\ell_{546} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{13319105} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{13319105} = \mathbf{Pl}(7, 45, 18, 45, 1, 0)_{196067} \\
\ell_{547} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{799489} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{799489} = \mathbf{Pl}(7, 45, 27, 45, 1, 0)_{196634} \\
\ell_{548} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{13052225} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{13052225} = \mathbf{Pl}(7, 45, 54, 45, 1, 0)_{198335} \\
\ell_{549} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{5858881} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{5858881} = \mathbf{Pl}(7, 45, 32, 45, 1, 0)_{196949} \\
\ell_{550} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{10653825} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{10653825} = \mathbf{Pl}(7, 45, 13, 45, 1, 0)_{195752} \\
\ell_{551} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{12250497} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{12250497} = \mathbf{Pl}(7, 45, 12, 45, 1, 0)_{195689} \\
\ell_{552} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{2932481} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{2932481} = \mathbf{Pl}(7, 45, 33, 45, 1, 0)_{197012} \\
\ell_{553} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{3730945} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{3730945} = \mathbf{Pl}(7, 45, 55, 45, 1, 0)_{198398} \\
\ell_{554} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{5326913} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{5326913} = \mathbf{Pl}(7, 45, 26, 45, 1, 0)_{196571} \\
\ell_{555} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{9323393} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{9323393} = \mathbf{Pl}(7, 45, 53, 45, 1, 0)_{198272}
\end{aligned}$$

$$\begin{aligned}
\ell_{556} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{6125249} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{6125249} = \mathbf{Pl}(7, 45, 24, 45, 1, 0)_{196445} \\
\ell_{557} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{14649153} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{14649153} = \mathbf{Pl}(7, 45, 14, 45, 1, 0)_{195815} \\
\ell_{558} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{14116673} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{14116673} = \mathbf{Pl}(7, 45, 35, 45, 1, 0)_{197138} \\
\ell_{559} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{4528577} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{4528577} = \mathbf{Pl}(7, 45, 34, 45, 1, 0)_{197075} \\
\ell_{560} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{1865473} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{1865473} = \mathbf{Pl}(7, 45, 15, 45, 1, 0)_{195878} \\
\ell_{561} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{9590913} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{9590913} = \mathbf{Pl}(7, 45, 25, 45, 1, 0)_{196508} \\
\ell_{562} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{2666497} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{2666497} = \mathbf{Pl}(7, 45, 52, 45, 1, 0)_{198209} \\
\ell_{563} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{533505} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{533505} = \mathbf{Pl}(7, 45, 38, 45, 1, 0)_{197327} \\
\ell_{564} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{8790401} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{8790401} = \mathbf{Pl}(7, 45, 11, 45, 1, 0)_{195626} \\
\ell_{565} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{8259265} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{8259265} = \mathbf{Pl}(7, 45, 29, 45, 1, 0)_{196760} \\
\ell_{566} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{15712065} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{15712065} = \mathbf{Pl}(7, 45, 48, 45, 1, 0)_{197957} \\
\ell_{567} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{14382529} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{14382529} = \mathbf{Pl}(7, 45, 49, 45, 1, 0)_{198020} \\
\ell_{568} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{11452289} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{11452289} = \mathbf{Pl}(7, 45, 28, 45, 1, 0)_{196697} \\
\ell_{569} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{13850817} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{13850817} = \mathbf{Pl}(7, 45, 10, 45, 1, 0)_{195563} \\
\ell_{570} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{11186049} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{11186049} = \mathbf{Pl}(7, 45, 39, 45, 1, 0)_{197390} \\
\ell_{571} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{15180097} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{15180097} = \mathbf{Pl}(7, 45, 8, 45, 1, 0)_{195437} \\
\ell_{572} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{14913729} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{14913729} = \mathbf{Pl}(7, 45, 37, 45, 1, 0)_{197264} \\
\ell_{573} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{7992897} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{7992897} = \mathbf{Pl}(7, 45, 51, 45, 1, 0)_{198146} \\
\ell_{574} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{13585217} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{13585217} = \mathbf{Pl}(7, 45, 30, 45, 1, 0)_{196823} \\
\ell_{575} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{7726017} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{7726017} = \mathbf{Pl}(7, 45, 31, 45, 1, 0)_{196886} \\
\ell_{576} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{4795457} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{4795457} = \mathbf{Pl}(7, 45, 50, 45, 1, 0)_{198083}
\end{aligned}$$

$$\begin{aligned}
\ell_{577} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{6660545} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{6660545} = \mathbf{Pl}(7, 45, 36, 45, 1, 0)_{197201} \\
\ell_{578} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{1333249} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{1333249} = \mathbf{Pl}(7, 45, 9, 45, 1, 0)_{195500} \\
\ell_{579} &= \begin{bmatrix} 1 & \epsilon^{60} & \epsilon^{60} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{3249740} = \begin{bmatrix} 1 & 12 & 12 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{3249740} = \mathbf{Pl}(0, 12, 0, 12, 1, 0)_{13825} \\
\ell_{580} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{7191873} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{7191873} = \mathbf{Pl}(8, 12, 13, 12, 1, 0)_{64776} \\
\ell_{581} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{266817} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{266817} = \mathbf{Pl}(8, 12, 12, 12, 1, 0)_{64713} \\
\ell_{582} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{12782849} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{12782849} = \mathbf{Pl}(8, 12, 24, 12, 1, 0)_{65469} \\
\ell_{583} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{8524225} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{8524225} = \mathbf{Pl}(8, 12, 20, 12, 1, 0)_{65217} \\
\ell_{584} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{6391425} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{6391425} = \mathbf{Pl}(8, 12, 48, 12, 1, 0)_{66981} \\
\ell_{585} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{16779009} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{16779009} = \mathbf{Pl}(8, 12, 60, 12, 1, 0)_{67737} \\
\ell_{586} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{4263105} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{4263105} = \mathbf{Pl}(8, 12, 40, 12, 1, 0)_{66477} \\
\ell_{587} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{11986625} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{11986625} = \mathbf{Pl}(8, 12, 36, 12, 1, 0)_{66225} \\
\ell_{588} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{3195713} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{3195713} = \mathbf{Pl}(8, 12, 1, 12, 1, 0)_{64020} \\
\ell_{589} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{12520257} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{12520257} = \mathbf{Pl}(8, 12, 25, 12, 1, 0)_{65532} \\
\ell_{590} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{9854209} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{9854209} = \mathbf{Pl}(8, 12, 21, 12, 1, 0)_{65280} \\
\ell_{591} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{2132545} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{2132545} = \mathbf{Pl}(8, 12, 49, 12, 1, 0)_{67044} \\
\ell_{592} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{6925057} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{6925057} = \mathbf{Pl}(8, 12, 61, 12, 1, 0)_{67800} \\
\ell_{593} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{10121025} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{10121025} = \mathbf{Pl}(8, 12, 41, 12, 1, 0)_{66540} \\
\ell_{594} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{5593089} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{5593089} = \mathbf{Pl}(8, 12, 37, 12, 1, 0)_{66288} \\
\ell_{595} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{1600897} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{1600897} = \mathbf{Pl}(8, 12, 2, 12, 1, 0)_{64083} \\
\ell_{596} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{11719809} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{11719809} = \mathbf{Pl}(8, 12, 14, 12, 1, 0)_{64839} \\
\ell_{597} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{16245377} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{16245377} = \mathbf{Pl}(8, 12, 26, 12, 1, 0)_{65595}
\end{aligned}$$

$$\begin{aligned}
\ell_{598} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{7458689} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{7458689} = \mathbf{Pl}(8, 12, 22, 12, 1, 0)_{65343} \\
\ell_{599} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{10387841} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{10387841} = \mathbf{Pl}(8, 12, 50, 12, 1, 0)_{67107} \\
\ell_{600} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{3996161} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{3996161} = \mathbf{Pl}(8, 12, 62, 12, 1, 0)_{67863} \\
\ell_{601} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{9057857} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{9057857} = \mathbf{Pl}(8, 12, 42, 12, 1, 0)_{66603} \\
\ell_{602} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{10919361} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{10919361} = \mathbf{Pl}(8, 12, 38, 12, 1, 0)_{66351} \\
\ell_{603} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{1067265} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{1067265} = \mathbf{Pl}(8, 12, 3, 12, 1, 0)_{64146} \\
\ell_{604} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{16512193} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{16512193} = \mathbf{Pl}(8, 12, 15, 12, 1, 0)_{64902} \\
\ell_{605} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{3462529} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{3462529} = \mathbf{Pl}(8, 12, 27, 12, 1, 0)_{65658} \\
\ell_{606} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{2399361} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{2399361} = \mathbf{Pl}(8, 12, 23, 12, 1, 0)_{65406} \\
\ell_{607} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{5063553} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{5063553} = \mathbf{Pl}(8, 12, 51, 12, 1, 0)_{67170} \\
\ell_{608} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{15978561} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{15978561} = \mathbf{Pl}(8, 12, 63, 12, 1, 0)_{67926} \\
\ell_{609} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{15449025} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{15449025} = \mathbf{Pl}(8, 12, 43, 12, 1, 0)_{66666} \\
\ell_{610} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{13316481} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{13316481} = \mathbf{Pl}(8, 12, 39, 12, 1, 0)_{66414} \\
\ell_{611} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{800449} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{800449} = \mathbf{Pl}(8, 12, 4, 12, 1, 0)_{64209} \\
\ell_{612} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{13049665} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{13049665} = \mathbf{Pl}(8, 12, 8, 12, 1, 0)_{64461} \\
\ell_{613} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{5859905} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{5859905} = \mathbf{Pl}(8, 12, 28, 12, 1, 0)_{65721} \\
\ell_{614} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{10652545} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{10652545} = \mathbf{Pl}(8, 12, 16, 12, 1, 0)_{64965} \\
\ell_{615} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{12253441} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{12253441} = \mathbf{Pl}(8, 12, 52, 12, 1, 0)_{67233} \\
\ell_{616} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{2932993} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{2932993} = \mathbf{Pl}(8, 12, 56, 12, 1, 0)_{67485} \\
\ell_{617} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{3729345} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{3729345} = \mathbf{Pl}(8, 12, 44, 12, 1, 0)_{66729} \\
\ell_{618} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{5326273} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{5326273} = \mathbf{Pl}(8, 12, 32, 12, 1, 0)_{65973}
\end{aligned}$$

$$\begin{aligned}
\ell_{619} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{9324673} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{9324673} = \mathbf{Pl}(8, 12, 5, 12, 1, 0)_{64272} \\
\ell_{620} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{6126721} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{6126721} = \mathbf{Pl}(8, 12, 9, 12, 1, 0)_{64524} \\
\ell_{621} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{14650561} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{14650561} = \mathbf{Pl}(8, 12, 29, 12, 1, 0)_{65784} \\
\ell_{622} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{14116929} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{14116929} = \mathbf{Pl}(8, 12, 17, 12, 1, 0)_{65028} \\
\ell_{623} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{4529921} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{4529921} = \mathbf{Pl}(8, 12, 53, 12, 1, 0)_{67296} \\
\ell_{624} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{1867713} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{1867713} = \mathbf{Pl}(8, 12, 57, 12, 1, 0)_{67548} \\
\ell_{625} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{9587393} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{9587393} = \mathbf{Pl}(8, 12, 45, 12, 1, 0)_{66792} \\
\ell_{626} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{2666177} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{2666177} = \mathbf{Pl}(8, 12, 33, 12, 1, 0)_{66036} \\
\ell_{627} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{533633} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{533633} = \mathbf{Pl}(8, 12, 6, 12, 1, 0)_{64335} \\
\ell_{628} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{8791041} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{8791041} = \mathbf{Pl}(8, 12, 10, 12, 1, 0)_{64587} \\
\ell_{629} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{8259137} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{8259137} = \mathbf{Pl}(8, 12, 30, 12, 1, 0)_{65847} \\
\ell_{630} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{15715841} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{15715841} = \mathbf{Pl}(8, 12, 18, 12, 1, 0)_{65091} \\
\ell_{631} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{14383745} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{14383745} = \mathbf{Pl}(8, 12, 54, 12, 1, 0)_{67359} \\
\ell_{632} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{11452993} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{11452993} = \mathbf{Pl}(8, 12, 58, 12, 1, 0)_{67611} \\
\ell_{633} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{13850113} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{13850113} = \mathbf{Pl}(8, 12, 46, 12, 1, 0)_{66855} \\
\ell_{634} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{11186177} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{11186177} = \mathbf{Pl}(8, 12, 34, 12, 1, 0)_{66099} \\
\ell_{635} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{15182209} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{15182209} = \mathbf{Pl}(8, 12, 7, 12, 1, 0)_{64398} \\
\ell_{636} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{14915393} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{14915393} = \mathbf{Pl}(8, 12, 11, 12, 1, 0)_{64650} \\
\ell_{637} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{7992321} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{7992321} = \mathbf{Pl}(8, 12, 31, 12, 1, 0)_{65910} \\
\ell_{638} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{13583297} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{13583297} = \mathbf{Pl}(8, 12, 19, 12, 1, 0)_{65154} \\
\ell_{639} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{7725505} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{7725505} = \mathbf{Pl}(8, 12, 55, 12, 1, 0)_{67422}
\end{aligned}$$

$$\begin{aligned}
\ell_{640} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{4796737} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{4796737} = \mathbf{Pl}(8, 12, 59, 12, 1, 0)_{67674} \\
\ell_{641} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{6658241} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{6658241} = \mathbf{Pl}(8, 12, 47, 12, 1, 0)_{66918} \\
\ell_{642} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{1334081} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{1334081} = \mathbf{Pl}(8, 12, 35, 12, 1, 0)_{66162} \\
\ell_{643} &= \begin{bmatrix} 1 & \epsilon^{29} & \epsilon^{29} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7306715} = \begin{bmatrix} 1 & 27 & 27 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7306715} = \mathbf{Pl}(0, 27, 0, 27, 1, 0)_{15745} \\
\ell_{644} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{3196481} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{3196481} = \mathbf{Pl}(9, 27, 26, 27, 1, 0)_{125131} \\
\ell_{645} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{266881} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{266881} = \mathbf{Pl}(9, 27, 27, 27, 1, 0)_{125194} \\
\ell_{646} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{12785921} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{12785921} = \mathbf{Pl}(9, 27, 54, 27, 1, 0)_{126895} \\
\ell_{647} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{8522177} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{8522177} = \mathbf{Pl}(9, 27, 45, 27, 1, 0)_{126328} \\
\ell_{648} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{6392961} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{6392961} = \mathbf{Pl}(9, 27, 13, 27, 1, 0)_{124312} \\
\ell_{649} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{16779329} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{16779329} = \mathbf{Pl}(9, 27, 22, 27, 1, 0)_{124879} \\
\ell_{650} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{4264129} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{4264129} = \mathbf{Pl}(9, 27, 59, 27, 1, 0)_{127210} \\
\ell_{651} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{11983873} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{11983873} = \mathbf{Pl}(9, 27, 32, 27, 1, 0)_{125509} \\
\ell_{652} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{7190273} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{7190273} = \mathbf{Pl}(9, 27, 1, 27, 1, 0)_{123556} \\
\ell_{653} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{12517377} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{12517377} = \mathbf{Pl}(9, 27, 44, 27, 1, 0)_{126265} \\
\ell_{654} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{9855937} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{9855937} = \mathbf{Pl}(9, 27, 55, 27, 1, 0)_{126958} \\
\ell_{655} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{2133057} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{2133057} = \mathbf{Pl}(9, 27, 23, 27, 1, 0)_{124942} \\
\ell_{656} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{6924417} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{6924417} = \mathbf{Pl}(9, 27, 12, 27, 1, 0)_{124249} \\
\ell_{657} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{10122689} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{10122689} = \mathbf{Pl}(9, 27, 33, 27, 1, 0)_{125572} \\
\ell_{658} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{5594305} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{5594305} = \mathbf{Pl}(9, 27, 58, 27, 1, 0)_{127147} \\
\ell_{659} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{1601281} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{1601281} = \mathbf{Pl}(9, 27, 52, 27, 1, 0)_{126769} \\
\ell_{660} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{11718017} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{11718017} = \mathbf{Pl}(9, 27, 47, 27, 1, 0)_{126454}
\end{aligned}$$

$$\begin{aligned}
\ell_{661} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{16247617} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{16247617} = \mathbf{Pl}(9, 27, 2, 27, 1, 0)_{123619} \\
\ell_{662} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{7460481} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{7460481} = \mathbf{Pl}(9, 27, 25, 27, 1, 0)_{125068} \\
\ell_{663} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{10389441} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{10389441} = \mathbf{Pl}(9, 27, 57, 27, 1, 0)_{127084} \\
\ell_{664} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{3995969} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{3995969} = \mathbf{Pl}(9, 27, 34, 27, 1, 0)_{125635} \\
\ell_{665} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{9055681} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{9055681} = \mathbf{Pl}(9, 27, 15, 27, 1, 0)_{124438} \\
\ell_{666} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{10920961} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{10920961} = \mathbf{Pl}(9, 27, 20, 27, 1, 0)_{124753} \\
\ell_{667} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{1067521} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{1067521} = \mathbf{Pl}(9, 27, 46, 27, 1, 0)_{126391} \\
\ell_{668} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{16513601} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{16513601} = \mathbf{Pl}(9, 27, 53, 27, 1, 0)_{126832} \\
\ell_{669} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{3462209} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{3462209} = \mathbf{Pl}(9, 27, 24, 27, 1, 0)_{125005} \\
\ell_{670} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{2398785} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{2398785} = \mathbf{Pl}(9, 27, 3, 27, 1, 0)_{123682} \\
\ell_{671} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{5062337} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{5062337} = \mathbf{Pl}(9, 27, 35, 27, 1, 0)_{125698} \\
\ell_{672} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{15981889} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{15981889} = \mathbf{Pl}(9, 27, 56, 27, 1, 0)_{127021} \\
\ell_{673} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{15446593} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{15446593} = \mathbf{Pl}(9, 27, 21, 27, 1, 0)_{124816} \\
\ell_{674} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{13317633} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{13317633} = \mathbf{Pl}(9, 27, 14, 27, 1, 0)_{124375} \\
\ell_{675} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{800641} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{800641} = \mathbf{Pl}(9, 27, 9, 27, 1, 0)_{124060} \\
\ell_{676} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{13052801} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{13052801} = \mathbf{Pl}(9, 27, 18, 27, 1, 0)_{124627} \\
\ell_{677} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{5859009} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{5859009} = \mathbf{Pl}(9, 27, 63, 27, 1, 0)_{127462} \\
\ell_{678} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{10655105} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{10655105} = \mathbf{Pl}(9, 27, 36, 27, 1, 0)_{125761} \\
\ell_{679} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{12251521} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{12251521} = \mathbf{Pl}(9, 27, 4, 27, 1, 0)_{123745} \\
\ell_{680} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{2932545} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{2932545} = \mathbf{Pl}(9, 27, 31, 27, 1, 0)_{125446} \\
\ell_{681} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{3730241} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{3730241} = \mathbf{Pl}(9, 27, 50, 27, 1, 0)_{126643}
\end{aligned}$$

$$\begin{aligned}
\ell_{682} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{5327553} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{5327553} = \mathbf{Pl}(9, 27, 41, 27, 1, 0)_{126076} \\
\ell_{683} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{9322433} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{9322433} = \mathbf{Pl}(9, 27, 19, 27, 1, 0)_{124690} \\
\ell_{684} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{6125761} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{6125761} = \mathbf{Pl}(9, 27, 8, 27, 1, 0)_{123997} \\
\ell_{685} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{14647425} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{14647425} = \mathbf{Pl}(9, 27, 37, 27, 1, 0)_{125824} \\
\ell_{686} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{14115713} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{14115713} = \mathbf{Pl}(9, 27, 62, 27, 1, 0)_{127399} \\
\ell_{687} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{4530881} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{4530881} = \mathbf{Pl}(9, 27, 30, 27, 1, 0)_{125383} \\
\ell_{688} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{1868161} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{1868161} = \mathbf{Pl}(9, 27, 5, 27, 1, 0)_{123808} \\
\ell_{689} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{9589185} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{9589185} = \mathbf{Pl}(9, 27, 40, 27, 1, 0)_{126013} \\
\ell_{690} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{2666817} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{2666817} = \mathbf{Pl}(9, 27, 51, 27, 1, 0)_{126706} \\
\ell_{691} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{533761} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{533761} = \mathbf{Pl}(9, 27, 61, 27, 1, 0)_{127336} \\
\ell_{692} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{8788929} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{8788929} = \mathbf{Pl}(9, 27, 38, 27, 1, 0)_{125887} \\
\ell_{693} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{8257793} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{8257793} = \mathbf{Pl}(9, 27, 11, 27, 1, 0)_{124186} \\
\ell_{694} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{15712321} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{15712321} = \mathbf{Pl}(9, 27, 16, 27, 1, 0)_{124501} \\
\ell_{695} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{14380545} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{14380545} = \mathbf{Pl}(9, 27, 48, 27, 1, 0)_{126517} \\
\ell_{696} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{11454465} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{11454465} = \mathbf{Pl}(9, 27, 43, 27, 1, 0)_{126202} \\
\ell_{697} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{13848833} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{13848833} = \mathbf{Pl}(9, 27, 6, 27, 1, 0)_{123871} \\
\ell_{698} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{11188609} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{11188609} = \mathbf{Pl}(9, 27, 29, 27, 1, 0)_{125320} \\
\ell_{699} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{15180609} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{15180609} = \mathbf{Pl}(9, 27, 39, 27, 1, 0)_{125950} \\
\ell_{700} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{14914881} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{14914881} = \mathbf{Pl}(9, 27, 60, 27, 1, 0)_{127273} \\
\ell_{701} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{7991937} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{7991937} = \mathbf{Pl}(9, 27, 17, 27, 1, 0)_{124564} \\
\ell_{702} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{13584513} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{13584513} = \mathbf{Pl}(9, 27, 10, 27, 1, 0)_{124123}
\end{aligned}$$

$$\begin{aligned}
\ell_{703} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{7726337} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{7726337} = \mathbf{Pl}(9, 27, 42, 27, 1, 0)_{126139} \\
\ell_{704} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{4795585} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{4795585} = \mathbf{Pl}(9, 27, 49, 27, 1, 0)_{126580} \\
\ell_{705} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{6658817} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{6658817} = \mathbf{Pl}(9, 27, 28, 27, 1, 0)_{125257} \\
\ell_{706} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{1334401} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{1334401} = \mathbf{Pl}(9, 27, 7, 27, 1, 0)_{123934} \\
\ell_{707} &= \begin{bmatrix} 1 & \epsilon^9 & \epsilon^9 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12716015} = \begin{bmatrix} 1 & 47 & 47 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12716015} = \mathbf{Pl}(0, 47, 0, 47, 1, 0)_{18305} \\
\ell_{708} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{9855553} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{9855553} = \mathbf{Pl}(10, 47, 46, 47, 1, 0)_{205772} \\
\ell_{709} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{266945} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{266945} = \mathbf{Pl}(10, 47, 47, 47, 1, 0)_{205835} \\
\ell_{710} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{12782913} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{12782913} = \mathbf{Pl}(10, 47, 63, 47, 1, 0)_{206843} \\
\ell_{711} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{8522113} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{8522113} = \mathbf{Pl}(10, 47, 16, 47, 1, 0)_{203882} \\
\ell_{712} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{6394497} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{6394497} = \mathbf{Pl}(10, 47, 31, 47, 1, 0)_{204827} \\
\ell_{713} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{16777281} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{16777281} = \mathbf{Pl}(10, 47, 48, 47, 1, 0)_{205898} \\
\ell_{714} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{4261057} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{4261057} = \mathbf{Pl}(10, 47, 32, 47, 1, 0)_{204890} \\
\ell_{715} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{11985025} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{11985025} = \mathbf{Pl}(10, 47, 15, 47, 1, 0)_{203819} \\
\ell_{716} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{3197249} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{3197249} = \mathbf{Pl}(10, 47, 62, 47, 1, 0)_{206780} \\
\ell_{717} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{7193025} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{7193025} = \mathbf{Pl}(10, 47, 17, 47, 1, 0)_{203945} \\
\ell_{718} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{12516353} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{12516353} = \mathbf{Pl}(10, 47, 1, 47, 1, 0)_{202937} \\
\ell_{719} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{2133569} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{2133569} = \mathbf{Pl}(10, 47, 33, 47, 1, 0)_{204953} \\
\ell_{720} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{6926337} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{6926337} = \mathbf{Pl}(10, 47, 14, 47, 1, 0)_{203756} \\
\ell_{721} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{10123265} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{10123265} = \mathbf{Pl}(10, 47, 30, 47, 1, 0)_{204764} \\
\ell_{722} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{5594497} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{5594497} = \mathbf{Pl}(10, 47, 49, 47, 1, 0)_{205961} \\
\ell_{723} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{1601665} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{1601665} = \mathbf{Pl}(10, 47, 29, 47, 1, 0)_{204701}
\end{aligned}$$

$$\begin{aligned}
\ell_{724} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{11719361} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{11719361} = \mathbf{Pl}(10, 47, 50, 47, 1, 0)_{206024} \\
\ell_{725} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{16245953} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{16245953} = \mathbf{Pl}(10, 47, 34, 47, 1, 0)_{205016} \\
\ell_{726} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{7458177} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{7458177} = \mathbf{Pl}(10, 47, 13, 47, 1, 0)_{203693} \\
\ell_{727} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{10388929} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{10388929} = \mathbf{Pl}(10, 47, 2, 47, 1, 0)_{203000} \\
\ell_{728} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{3995009} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{3995009} = \mathbf{Pl}(10, 47, 45, 47, 1, 0)_{205709} \\
\ell_{729} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{9055489} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{9055489} = \mathbf{Pl}(10, 47, 61, 47, 1, 0)_{206717} \\
\ell_{730} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{10922369} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{10922369} = \mathbf{Pl}(10, 47, 18, 47, 1, 0)_{204008} \\
\ell_{731} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{1067777} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{1067777} = \mathbf{Pl}(10, 47, 35, 47, 1, 0)_{205079} \\
\ell_{732} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{16511361} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{16511361} = \mathbf{Pl}(10, 47, 12, 47, 1, 0)_{203630} \\
\ell_{733} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{3463169} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{3463169} = \mathbf{Pl}(10, 47, 28, 47, 1, 0)_{204638} \\
\ell_{734} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{2400513} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{2400513} = \mathbf{Pl}(10, 47, 51, 47, 1, 0)_{206087} \\
\ell_{735} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{5061633} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{5061633} = \mathbf{Pl}(10, 47, 60, 47, 1, 0)_{206654} \\
\ell_{736} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{15980033} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{15980033} = \mathbf{Pl}(10, 47, 19, 47, 1, 0)_{204071} \\
\ell_{737} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{15447681} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{15447681} = \mathbf{Pl}(10, 47, 3, 47, 1, 0)_{203063} \\
\ell_{738} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{13316289} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{13316289} = \mathbf{Pl}(10, 47, 44, 47, 1, 0)_{205646} \\
\ell_{739} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{800833} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{800833} = \mathbf{Pl}(10, 47, 58, 47, 1, 0)_{206528} \\
\ell_{740} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{13049857} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{13049857} = \mathbf{Pl}(10, 47, 21, 47, 1, 0)_{204197} \\
\ell_{741} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{5862721} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{5862721} = \mathbf{Pl}(10, 47, 5, 47, 1, 0)_{203189} \\
\ell_{742} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{10655681} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{10655681} = \mathbf{Pl}(10, 47, 42, 47, 1, 0)_{205520} \\
\ell_{743} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{12250689} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{12250689} = \mathbf{Pl}(10, 47, 37, 47, 1, 0)_{205205} \\
\ell_{744} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{2932353} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{2932353} = \mathbf{Pl}(10, 47, 10, 47, 1, 0)_{203504}
\end{aligned}$$

$$\begin{aligned}
\ell_{745} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{3729089} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{3729089} = \mathbf{Pl}(10, 47, 26, 47, 1, 0)_{204512} \\
\ell_{746} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{5328833} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{5328833} = \mathbf{Pl}(10, 47, 53, 47, 1, 0)_{206213} \\
\ell_{747} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{9322177} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{9322177} = \mathbf{Pl}(10, 47, 4, 47, 1, 0)_{203126} \\
\ell_{748} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{6128385} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{6128385} = \mathbf{Pl}(10, 47, 43, 47, 1, 0)_{205583} \\
\ell_{749} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{14649985} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{14649985} = \mathbf{Pl}(10, 47, 59, 47, 1, 0)_{206591} \\
\ell_{750} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{14116609} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{14116609} = \mathbf{Pl}(10, 47, 20, 47, 1, 0)_{204134} \\
\ell_{751} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{4527745} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{4527745} = \mathbf{Pl}(10, 47, 27, 47, 1, 0)_{204575} \\
\ell_{752} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{1867585} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{1867585} = \mathbf{Pl}(10, 47, 52, 47, 1, 0)_{206150} \\
\ell_{753} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{9589889} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{9589889} = \mathbf{Pl}(10, 47, 36, 47, 1, 0)_{205142} \\
\ell_{754} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{2665409} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{2665409} = \mathbf{Pl}(10, 47, 11, 47, 1, 0)_{203567} \\
\ell_{755} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{533889} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{533889} = \mathbf{Pl}(10, 47, 39, 47, 1, 0)_{205331} \\
\ell_{756} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{8788801} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{8788801} = \mathbf{Pl}(10, 47, 8, 47, 1, 0)_{203378} \\
\ell_{757} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{8255681} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{8255681} = \mathbf{Pl}(10, 47, 24, 47, 1, 0)_{204386} \\
\ell_{758} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{15714625} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{15714625} = \mathbf{Pl}(10, 47, 55, 47, 1, 0)_{206339} \\
\ell_{759} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{14384065} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{14384065} = \mathbf{Pl}(10, 47, 56, 47, 1, 0)_{206402} \\
\ell_{760} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{11453697} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{11453697} = \mathbf{Pl}(10, 47, 23, 47, 1, 0)_{204323} \\
\ell_{761} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{13850689} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{13850689} = \mathbf{Pl}(10, 47, 7, 47, 1, 0)_{203315} \\
\ell_{762} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{11187009} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{11187009} = \mathbf{Pl}(10, 47, 40, 47, 1, 0)_{205394} \\
\ell_{763} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{15183297} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{15183297} = \mathbf{Pl}(10, 47, 25, 47, 1, 0)_{204449} \\
\ell_{764} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{14916353} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{14916353} = \mathbf{Pl}(10, 47, 54, 47, 1, 0)_{206276} \\
\ell_{765} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{7990017} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{7990017} = \mathbf{Pl}(10, 47, 38, 47, 1, 0)_{205268}
\end{aligned}$$

$$\begin{aligned}
\ell_{766} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{13583233} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{13583233} = \mathbf{Pl}(10, 47, 9, 47, 1, 0)_{203441} \\
\ell_{767} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{7723841} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{7723841} = \mathbf{Pl}(10, 47, 6, 47, 1, 0)_{203252} \\
\ell_{768} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{4794945} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{4794945} = \mathbf{Pl}(10, 47, 41, 47, 1, 0)_{205457} \\
\ell_{769} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{6661185} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{6661185} = \mathbf{Pl}(10, 47, 57, 47, 1, 0)_{206465} \\
\ell_{770} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{1333697} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{1333697} = \mathbf{Pl}(10, 47, 22, 47, 1, 0)_{204260} \\
\ell_{771} &= \begin{bmatrix} 1 & \epsilon^{45} & \epsilon^{45} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10011365} = \begin{bmatrix} 1 & 37 & 37 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10011365} = \mathbf{Pl}(0, 37, 0, 37, 1, 0)_{17025} \\
\ell_{772} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{12519233} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{12519233} = \mathbf{Pl}(11, 37, 36, 37, 1, 0)_{165453} \\
\ell_{773} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{267009} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{267009} = \mathbf{Pl}(11, 37, 37, 37, 1, 0)_{165516} \\
\ell_{774} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{12785985} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{12785985} = \mathbf{Pl}(11, 37, 43, 37, 1, 0)_{165894} \\
\ell_{775} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{8524161} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{8524161} = \mathbf{Pl}(11, 37, 14, 37, 1, 0)_{164067} \\
\ell_{776} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{6393985} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{6393985} = \mathbf{Pl}(11, 37, 55, 37, 1, 0)_{166650} \\
\ell_{777} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{16781057} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{16781057} = \mathbf{Pl}(11, 37, 18, 37, 1, 0)_{164319} \\
\ell_{778} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{4262081} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{4262081} = \mathbf{Pl}(11, 37, 28, 37, 1, 0)_{164949} \\
\ell_{779} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{11987265} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{11987265} = \mathbf{Pl}(11, 37, 57, 37, 1, 0)_{166776} \\
\ell_{780} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{3196993} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{3196993} = \mathbf{Pl}(11, 37, 15, 37, 1, 0)_{164130} \\
\ell_{781} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{7193729} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{7193729} = \mathbf{Pl}(11, 37, 42, 37, 1, 0)_{165831} \\
\ell_{782} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{9853313} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{9853313} = \mathbf{Pl}(11, 37, 1, 37, 1, 0)_{163248} \\
\ell_{783} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{2134081} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{2134081} = \mathbf{Pl}(11, 37, 56, 37, 1, 0)_{166713} \\
\ell_{784} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{6927745} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{6927745} = \mathbf{Pl}(11, 37, 29, 37, 1, 0)_{165012} \\
\ell_{785} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{10121345} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{10121345} = \mathbf{Pl}(11, 37, 19, 37, 1, 0)_{164382} \\
\ell_{786} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{5595713} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{5595713} = \mathbf{Pl}(11, 37, 54, 37, 1, 0)_{166587}
\end{aligned}$$

$$\begin{aligned}
\ell_{787} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{1601537} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{1601537} = \mathbf{Pl}(11, 37, 30, 37, 1, 0)_{165075} \\
\ell_{788} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{11720641} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{11720641} = \mathbf{Pl}(11, 37, 59, 37, 1, 0)_{166902} \\
\ell_{789} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{16247297} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{16247297} = \mathbf{Pl}(11, 37, 53, 37, 1, 0)_{166524} \\
\ell_{790} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{7456897} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{7456897} = \mathbf{Pl}(11, 37, 16, 37, 1, 0)_{164193} \\
\ell_{791} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{10387329} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{10387329} = \mathbf{Pl}(11, 37, 41, 37, 1, 0)_{165768} \\
\ell_{792} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{3995073} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{3995073} = \mathbf{Pl}(11, 37, 12, 37, 1, 0)_{163941} \\
\ell_{793} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{9057409} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{9057409} = \mathbf{Pl}(11, 37, 2, 37, 1, 0)_{163311} \\
\ell_{794} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{10919745} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{10919745} = \mathbf{Pl}(11, 37, 39, 37, 1, 0)_{165642} \\
\ell_{795} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{1068033} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{1068033} = \mathbf{Pl}(11, 37, 17, 37, 1, 0)_{164256} \\
\ell_{796} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{16514305} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{16514305} = \mathbf{Pl}(11, 37, 52, 37, 1, 0)_{166461} \\
\ell_{797} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{3463873} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{3463873} = \mathbf{Pl}(11, 37, 58, 37, 1, 0)_{166839} \\
\ell_{798} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{2399937} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{2399937} = \mathbf{Pl}(11, 37, 31, 37, 1, 0)_{165138} \\
\ell_{799} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{5060673} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{5060673} = \mathbf{Pl}(11, 37, 38, 37, 1, 0)_{165579} \\
\ell_{800} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{15980289} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{15980289} = \mathbf{Pl}(11, 37, 3, 37, 1, 0)_{163374} \\
\ell_{801} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{15447297} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{15447297} = \mathbf{Pl}(11, 37, 13, 37, 1, 0)_{164004} \\
\ell_{802} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{13317441} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{13317441} = \mathbf{Pl}(11, 37, 40, 37, 1, 0)_{165705} \\
\ell_{803} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{800769} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{800769} = \mathbf{Pl}(11, 37, 60, 37, 1, 0)_{166965} \\
\ell_{804} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{13052865} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{13052865} = \mathbf{Pl}(11, 37, 25, 37, 1, 0)_{164760} \\
\ell_{805} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{5861313} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{5861313} = \mathbf{Pl}(11, 37, 23, 37, 1, 0)_{164634} \\
\ell_{806} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{10654145} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{10654145} = \mathbf{Pl}(11, 37, 50, 37, 1, 0)_{166335} \\
\ell_{807} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{12252353} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{12252353} = \mathbf{Pl}(11, 37, 11, 37, 1, 0)_{163878}
\end{aligned}$$

$$\begin{aligned}
\ell_{808} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{2931649} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{2931649} = \mathbf{Pl}(11, 37, 46, 37, 1, 0)_{166083} \\
\ell_{809} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{3728449} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{3728449} = \mathbf{Pl}(11, 37, 32, 37, 1, 0)_{165201} \\
\ell_{810} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{5330113} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{5330113} = \mathbf{Pl}(11, 37, 5, 37, 1, 0)_{163500} \\
\ell_{811} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{9324417} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{9324417} = \mathbf{Pl}(11, 37, 51, 37, 1, 0)_{166398} \\
\ell_{812} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{6127169} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{6127169} = \mathbf{Pl}(11, 37, 22, 37, 1, 0)_{164571} \\
\ell_{813} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{14646977} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{14646977} = \mathbf{Pl}(11, 37, 24, 37, 1, 0)_{164697} \\
\ell_{814} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{14115265} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{14115265} = \mathbf{Pl}(11, 37, 61, 37, 1, 0)_{167028} \\
\ell_{815} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{4528705} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{4528705} = \mathbf{Pl}(11, 37, 4, 37, 1, 0)_{163437} \\
\ell_{816} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{1867265} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{1867265} = \mathbf{Pl}(11, 37, 33, 37, 1, 0)_{165264} \\
\ell_{817} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{9587585} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{9587585} = \mathbf{Pl}(11, 37, 47, 37, 1, 0)_{166146} \\
\ell_{818} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{2666049} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{2666049} = \mathbf{Pl}(11, 37, 10, 37, 1, 0)_{163815} \\
\ell_{819} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{534017} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{534017} = \mathbf{Pl}(11, 37, 34, 37, 1, 0)_{165327} \\
\ell_{820} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{8790913} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{8790913} = \mathbf{Pl}(11, 37, 7, 37, 1, 0)_{163626} \\
\ell_{821} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{8257153} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{8257153} = \mathbf{Pl}(11, 37, 9, 37, 1, 0)_{163752} \\
\ell_{822} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{15713025} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{15713025} = \mathbf{Pl}(11, 37, 44, 37, 1, 0)_{165957} \\
\ell_{823} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{14381377} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{14381377} = \mathbf{Pl}(11, 37, 21, 37, 1, 0)_{164508} \\
\ell_{824} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{11451201} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{11451201} = \mathbf{Pl}(11, 37, 48, 37, 1, 0)_{166209} \\
\ell_{825} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{13849409} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{13849409} = \mathbf{Pl}(11, 37, 62, 37, 1, 0)_{167091} \\
\ell_{826} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{11185345} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{11185345} = \mathbf{Pl}(11, 37, 27, 37, 1, 0)_{164886} \\
\ell_{827} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{15179777} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{15179777} = \mathbf{Pl}(11, 37, 45, 37, 1, 0)_{166020} \\
\ell_{828} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{14913793} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{14913793} = \mathbf{Pl}(11, 37, 8, 37, 1, 0)_{163689}
\end{aligned}$$

$$\begin{aligned}
\ell_{829} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{7990145} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{7990145} = \mathbf{Pl}(11, 37, 6, 37, 1, 0)_{163563} \\
\ell_{830} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{13584065} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{13584065} = \mathbf{Pl}(11, 37, 35, 37, 1, 0)_{165390} \\
\ell_{831} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{7723649} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{7723649} = \mathbf{Pl}(11, 37, 26, 37, 1, 0)_{164823} \\
\ell_{832} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{4793793} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{4793793} = \mathbf{Pl}(11, 37, 63, 37, 1, 0)_{167154} \\
\ell_{833} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{6659713} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{6659713} = \mathbf{Pl}(11, 37, 49, 37, 1, 0)_{166272} \\
\ell_{834} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{1334017} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{1334017} = \mathbf{Pl}(11, 37, 20, 37, 1, 0)_{164445} \\
\ell_{835} &= \begin{bmatrix} 1 & \epsilon^3 & \epsilon^3 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2167880} = \begin{bmatrix} 1 & 8 & 8 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2167880} = \mathbf{Pl}(0, 8, 0, 8, 1, 0)_{13313} \\
\ell_{836} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{6925633} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{6925633} = \mathbf{Pl}(12, 8, 9, 8, 1, 0)_{48652} \\
\ell_{837} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{267073} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{267073} = \mathbf{Pl}(12, 8, 8, 8, 1, 0)_{48589} \\
\ell_{838} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{12782977} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{12782977} = \mathbf{Pl}(12, 8, 16, 8, 1, 0)_{49093} \\
\ell_{839} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{8521985} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{8521985} = \mathbf{Pl}(12, 8, 24, 8, 1, 0)_{49597} \\
\ell_{840} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{6391489} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{6391489} = \mathbf{Pl}(12, 8, 32, 8, 1, 0)_{50101} \\
\ell_{841} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{16779393} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{16779393} = \mathbf{Pl}(12, 8, 40, 8, 1, 0)_{50605} \\
\ell_{842} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{4260993} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{4260993} = \mathbf{Pl}(12, 8, 48, 8, 1, 0)_{51109} \\
\ell_{843} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{11987329} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{11987329} = \mathbf{Pl}(12, 8, 56, 8, 1, 0)_{51613} \\
\ell_{844} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{3198785} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{3198785} = \mathbf{Pl}(12, 8, 33, 8, 1, 0)_{50164} \\
\ell_{845} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{7191681} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{7191681} = \mathbf{Pl}(12, 8, 41, 8, 1, 0)_{50668} \\
\ell_{846} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{12518401} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{12518401} = \mathbf{Pl}(12, 8, 49, 8, 1, 0)_{51172} \\
\ell_{847} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{9856833} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{9856833} = \mathbf{Pl}(12, 8, 57, 8, 1, 0)_{51676} \\
\ell_{848} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{2130497} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{2130497} = \mathbf{Pl}(12, 8, 1, 8, 1, 0)_{48148} \\
\ell_{849} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{10122369} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{10122369} = \mathbf{Pl}(12, 8, 17, 8, 1, 0)_{49156}
\end{aligned}$$

$$\begin{aligned}
\ell_{850} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{5596353} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{5596353} = \mathbf{Pl}(12, 8, 25, 8, 1, 0)_{49660} \\
\ell_{851} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{1600385} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{1600385} = \mathbf{Pl}(12, 8, 35, 8, 1, 0)_{50290} \\
\ell_{852} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{11720769} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{11720769} = \mathbf{Pl}(12, 8, 43, 8, 1, 0)_{50794} \\
\ell_{853} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{16248321} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{16248321} = \mathbf{Pl}(12, 8, 51, 8, 1, 0)_{51298} \\
\ell_{854} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{7459777} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{7459777} = \mathbf{Pl}(12, 8, 59, 8, 1, 0)_{51802} \\
\ell_{855} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{10387905} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{10387905} = \mathbf{Pl}(12, 8, 3, 8, 1, 0)_{48274} \\
\ell_{856} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{3996929} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{3996929} = \mathbf{Pl}(12, 8, 11, 8, 1, 0)_{48778} \\
\ell_{857} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{9056129} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{9056129} = \mathbf{Pl}(12, 8, 19, 8, 1, 0)_{49282} \\
\ell_{858} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{10919041} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{10919041} = \mathbf{Pl}(12, 8, 27, 8, 1, 0)_{49786} \\
\ell_{859} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{1068289} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{1068289} = \mathbf{Pl}(12, 8, 2, 8, 1, 0)_{48211} \\
\ell_{860} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{16513857} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{16513857} = \mathbf{Pl}(12, 8, 10, 8, 1, 0)_{48715} \\
\ell_{861} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{3465857} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{3465857} = \mathbf{Pl}(12, 8, 18, 8, 1, 0)_{49219} \\
\ell_{862} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{2397569} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{2397569} = \mathbf{Pl}(12, 8, 26, 8, 1, 0)_{49723} \\
\ell_{863} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{5061185} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{5061185} = \mathbf{Pl}(12, 8, 34, 8, 1, 0)_{50227} \\
\ell_{864} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{15981761} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{15981761} = \mathbf{Pl}(12, 8, 42, 8, 1, 0)_{50731} \\
\ell_{865} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{15447617} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{15447617} = \mathbf{Pl}(12, 8, 50, 8, 1, 0)_{51235} \\
\ell_{866} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{13317121} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{13317121} = \mathbf{Pl}(12, 8, 58, 8, 1, 0)_{51739} \\
\ell_{867} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{800193} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{800193} = \mathbf{Pl}(12, 8, 39, 8, 1, 0)_{50542} \\
\ell_{868} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{13049537} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{13049537} = \mathbf{Pl}(12, 8, 47, 8, 1, 0)_{51046} \\
\ell_{869} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{5861377} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{5861377} = \mathbf{Pl}(12, 8, 55, 8, 1, 0)_{51550} \\
\ell_{870} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{10652481} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{10652481} = \mathbf{Pl}(12, 8, 63, 8, 1, 0)_{52054}
\end{aligned}$$

$$\begin{aligned}
\ell_{871} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{12252865} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{12252865} = \mathbf{Pl}(12, 8, 7, 8, 1, 0)_{48526} \\
\ell_{872} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{2930689} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{2930689} = \mathbf{Pl}(12, 8, 15, 8, 1, 0)_{49030} \\
\ell_{873} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{3730881} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{3730881} = \mathbf{Pl}(12, 8, 23, 8, 1, 0)_{49534} \\
\ell_{874} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{5329281} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{5329281} = \mathbf{Pl}(12, 8, 31, 8, 1, 0)_{50038} \\
\ell_{875} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{9321665} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{9321665} = \mathbf{Pl}(12, 8, 6, 8, 1, 0)_{48463} \\
\ell_{876} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{6127425} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{6127425} = \mathbf{Pl}(12, 8, 14, 8, 1, 0)_{48967} \\
\ell_{877} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{14648897} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{14648897} = \mathbf{Pl}(12, 8, 22, 8, 1, 0)_{49471} \\
\ell_{878} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{14117825} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{14117825} = \mathbf{Pl}(12, 8, 30, 8, 1, 0)_{49975} \\
\ell_{879} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{4528065} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{4528065} = \mathbf{Pl}(12, 8, 38, 8, 1, 0)_{50479} \\
\ell_{880} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{1866433} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{1866433} = \mathbf{Pl}(12, 8, 46, 8, 1, 0)_{50983} \\
\ell_{881} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{9590273} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{9590273} = \mathbf{Pl}(12, 8, 54, 8, 1, 0)_{51487} \\
\ell_{882} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{2664641} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{2664641} = \mathbf{Pl}(12, 8, 62, 8, 1, 0)_{51991} \\
\ell_{883} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{534145} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{534145} = \mathbf{Pl}(12, 8, 4, 8, 1, 0)_{48337} \\
\ell_{884} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{8788545} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{8788545} = \mathbf{Pl}(12, 8, 12, 8, 1, 0)_{48841} \\
\ell_{885} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{8257921} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{8257921} = \mathbf{Pl}(12, 8, 20, 8, 1, 0)_{49345} \\
\ell_{886} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{15713153} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{15713153} = \mathbf{Pl}(12, 8, 28, 8, 1, 0)_{49849} \\
\ell_{887} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{14383361} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{14383361} = \mathbf{Pl}(12, 8, 36, 8, 1, 0)_{50353} \\
\ell_{888} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{11452161} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{11452161} = \mathbf{Pl}(12, 8, 44, 8, 1, 0)_{50857} \\
\ell_{889} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{13851265} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{13851265} = \mathbf{Pl}(12, 8, 52, 8, 1, 0)_{51361} \\
\ell_{890} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{11186625} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{11186625} = \mathbf{Pl}(12, 8, 60, 8, 1, 0)_{51865} \\
\ell_{891} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{15180033} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{15180033} = \mathbf{Pl}(12, 8, 37, 8, 1, 0)_{50416}
\end{aligned}$$

$$\begin{aligned}
\ell_{892} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{14913473} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{14913473} = \mathbf{Pl}(12, 8, 45, 8, 1, 0)_{50920} \\
\ell_{893} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{7991873} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{7991873} = \mathbf{Pl}(12, 8, 53, 8, 1, 0)_{51424} \\
\ell_{894} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{13582657} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{13582657} = \mathbf{Pl}(12, 8, 61, 8, 1, 0)_{51928} \\
\ell_{895} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{7726849} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{7726849} = \mathbf{Pl}(12, 8, 5, 8, 1, 0)_{48400} \\
\ell_{896} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{4795137} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{4795137} = \mathbf{Pl}(12, 8, 13, 8, 1, 0)_{48904} \\
\ell_{897} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{6658561} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{6658561} = \mathbf{Pl}(12, 8, 21, 8, 1, 0)_{49408} \\
\ell_{898} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{1335361} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{1335361} = \mathbf{Pl}(12, 8, 29, 8, 1, 0)_{49912} \\
\ell_{899} &= \begin{bmatrix} 1 & \epsilon^{32} & \epsilon^{32} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7036250} = \begin{bmatrix} 1 & 26 & 26 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7036250} = \mathbf{Pl}(0, 26, 0, 26, 1, 0)_{15617} \\
\ell_{900} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{2131009} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{2131009} = \mathbf{Pl}(13, 26, 27, 26, 1, 0)_{121229} \\
\ell_{901} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{267137} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{267137} = \mathbf{Pl}(13, 26, 26, 26, 1, 0)_{121166} \\
\ell_{902} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{12786049} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{12786049} = \mathbf{Pl}(13, 26, 52, 26, 1, 0)_{122804} \\
\ell_{903} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{8524033} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{8524033} = \mathbf{Pl}(13, 26, 46, 26, 1, 0)_{122426} \\
\ell_{904} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{6393025} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{6393025} = \mathbf{Pl}(13, 26, 9, 26, 1, 0)_{120095} \\
\ell_{905} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{16778945} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{16778945} = \mathbf{Pl}(13, 26, 19, 26, 1, 0)_{120725} \\
\ell_{906} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{4262017} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{4262017} = \mathbf{Pl}(13, 26, 61, 26, 1, 0)_{123371} \\
\ell_{907} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{11984961} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{11984961} = \mathbf{Pl}(13, 26, 39, 26, 1, 0)_{121985} \\
\ell_{908} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{3199553} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{3199553} = \mathbf{Pl}(13, 26, 18, 26, 1, 0)_{120662} \\
\ell_{909} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{7190977} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{7190977} = \mathbf{Pl}(13, 26, 8, 26, 1, 0)_{120032} \\
\ell_{910} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{12517185} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{12517185} = \mathbf{Pl}(13, 26, 38, 26, 1, 0)_{121922} \\
\ell_{911} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{9855105} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{9855105} = \mathbf{Pl}(13, 26, 60, 26, 1, 0)_{123308} \\
\ell_{912} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{6923969} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{6923969} = \mathbf{Pl}(13, 26, 1, 26, 1, 0)_{119591}
\end{aligned}$$

$$\begin{aligned}
\ell_{913} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{10120193} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{10120193} = \mathbf{Pl}(13, 26, 47, 26, 1, 0)_{122489} \\
\ell_{914} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{5595137} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{5595137} = \mathbf{Pl}(13, 26, 53, 26, 1, 0)_{122867} \\
\ell_{915} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{1600769} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{1600769} = \mathbf{Pl}(13, 26, 36, 26, 1, 0)_{121796} \\
\ell_{916} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{11718977} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{11718977} = \mathbf{Pl}(13, 26, 62, 26, 1, 0)_{123434} \\
\ell_{917} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{16244929} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{16244929} = \mathbf{Pl}(13, 26, 16, 26, 1, 0)_{120536} \\
\ell_{918} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{7459521} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{7459521} = \mathbf{Pl}(13, 26, 10, 26, 1, 0)_{120158} \\
\ell_{919} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{10386305} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{10386305} = \mathbf{Pl}(13, 26, 45, 26, 1, 0)_{122363} \\
\ell_{920} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{3997249} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{3997249} = \mathbf{Pl}(13, 26, 55, 26, 1, 0)_{122993} \\
\ell_{921} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{9058305} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{9058305} = \mathbf{Pl}(13, 26, 25, 26, 1, 0)_{121103} \\
\ell_{922} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{10920513} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{10920513} = \mathbf{Pl}(13, 26, 3, 26, 1, 0)_{119717} \\
\ell_{923} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{1068545} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{1068545} = \mathbf{Pl}(13, 26, 54, 26, 1, 0)_{122930} \\
\ell_{924} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{16511937} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{16511937} = \mathbf{Pl}(13, 26, 44, 26, 1, 0)_{122300} \\
\ell_{925} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{3465025} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{3465025} = \mathbf{Pl}(13, 26, 2, 26, 1, 0)_{119654} \\
\ell_{926} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{2396993} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{2396993} = \mathbf{Pl}(13, 26, 24, 26, 1, 0)_{121040} \\
\ell_{927} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{5060097} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{5060097} = \mathbf{Pl}(13, 26, 63, 26, 1, 0)_{123497} \\
\ell_{928} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{15978945} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{15978945} = \mathbf{Pl}(13, 26, 37, 26, 1, 0)_{121859} \\
\ell_{929} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{15448001} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{15448001} = \mathbf{Pl}(13, 26, 11, 26, 1, 0)_{120221} \\
\ell_{930} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{13318017} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{13318017} = \mathbf{Pl}(13, 26, 17, 26, 1, 0)_{120599} \\
\ell_{931} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{800385} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{800385} = \mathbf{Pl}(13, 26, 41, 26, 1, 0)_{122111} \\
\ell_{932} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{13052673} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{13052673} = \mathbf{Pl}(13, 26, 51, 26, 1, 0)_{122741} \\
\ell_{933} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{5862529} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{5862529} = \mathbf{Pl}(13, 26, 29, 26, 1, 0)_{121355}
\end{aligned}$$

$$\begin{aligned}
\ell_{934} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{10655041} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{10655041} = \mathbf{Pl}(13, 26, 7, 26, 1, 0)_{119969} \\
\ell_{935} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{12250177} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{12250177} = \mathbf{Pl}(13, 26, 32, 26, 1, 0)_{121544} \\
\ell_{936} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{2931265} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{2931265} = \mathbf{Pl}(13, 26, 58, 26, 1, 0)_{123182} \\
\ell_{937} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{3730753} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{3730753} = \mathbf{Pl}(13, 26, 20, 26, 1, 0)_{120788} \\
\ell_{938} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{5328513} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{5328513} = \mathbf{Pl}(13, 26, 14, 26, 1, 0)_{120410} \\
\ell_{939} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{9323905} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{9323905} = \mathbf{Pl}(13, 26, 59, 26, 1, 0)_{123245} \\
\ell_{940} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{6128129} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{6128129} = \mathbf{Pl}(13, 26, 33, 26, 1, 0)_{121607} \\
\ell_{941} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{14648065} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{14648065} = \mathbf{Pl}(13, 26, 15, 26, 1, 0)_{120473} \\
\ell_{942} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{14115073} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{14115073} = \mathbf{Pl}(13, 26, 21, 26, 1, 0)_{120851} \\
\ell_{943} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{4529153} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{4529153} = \mathbf{Pl}(13, 26, 50, 26, 1, 0)_{122678} \\
\ell_{944} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{1866369} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{1866369} = \mathbf{Pl}(13, 26, 40, 26, 1, 0)_{122048} \\
\ell_{945} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{9587969} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{9587969} = \mathbf{Pl}(13, 26, 6, 26, 1, 0)_{119906} \\
\ell_{946} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{2664257} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{2664257} = \mathbf{Pl}(13, 26, 28, 26, 1, 0)_{121292} \\
\ell_{947} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{534273} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{534273} = \mathbf{Pl}(13, 26, 13, 26, 1, 0)_{120347} \\
\ell_{948} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{8790657} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{8790657} = \mathbf{Pl}(13, 26, 23, 26, 1, 0)_{120977} \\
\ell_{949} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{8259009} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{8259009} = \mathbf{Pl}(13, 26, 57, 26, 1, 0)_{123119} \\
\ell_{950} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{15714497} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{15714497} = \mathbf{Pl}(13, 26, 35, 26, 1, 0)_{121733} \\
\ell_{951} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{14381953} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{14381953} = \mathbf{Pl}(13, 26, 4, 26, 1, 0)_{119780} \\
\ell_{952} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{11454785} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{11454785} = \mathbf{Pl}(13, 26, 30, 26, 1, 0)_{121418} \\
\ell_{953} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{13847937} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{13847937} = \mathbf{Pl}(13, 26, 48, 26, 1, 0)_{122552} \\
\ell_{954} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{11188289} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{11188289} = \mathbf{Pl}(13, 26, 42, 26, 1, 0)_{122174}
\end{aligned}$$

$$\begin{aligned}
\ell_{955} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{15182529} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{15182529} = \mathbf{Pl}(13, 26, 31, 26, 1, 0)_{121481} \\
\ell_{956} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{14917057} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{14917057} = \mathbf{Pl}(13, 26, 5, 26, 1, 0)_{119843} \\
\ell_{957} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{7992513} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{7992513} = \mathbf{Pl}(13, 26, 43, 26, 1, 0)_{122237} \\
\ell_{958} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{13583617} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{13583617} = \mathbf{Pl}(13, 26, 49, 26, 1, 0)_{122615} \\
\ell_{959} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{7724993} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{7724993} = \mathbf{Pl}(13, 26, 22, 26, 1, 0)_{120914} \\
\ell_{960} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{4793985} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{4793985} = \mathbf{Pl}(13, 26, 12, 26, 1, 0)_{120284} \\
\ell_{961} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{6659009} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{6659009} = \mathbf{Pl}(13, 26, 34, 26, 1, 0)_{121670} \\
\ell_{962} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{1335169} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{1335169} = \mathbf{Pl}(13, 26, 56, 26, 1, 0)_{123056} \\
\ell_{963} &= \begin{bmatrix} 1 & \epsilon^{23} & \epsilon^{23} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10281830} = \begin{bmatrix} 1 & 38 & 38 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10281830} = \mathbf{Pl}(0, 38, 0, 38, 1, 0)_{17153} \\
\ell_{964} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{5593665} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{5593665} = \mathbf{Pl}(14, 38, 39, 38, 1, 0)_{169614} \\
\ell_{965} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{267201} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{267201} = \mathbf{Pl}(14, 38, 38, 38, 1, 0)_{169551} \\
\ell_{966} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{12783041} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{12783041} = \mathbf{Pl}(14, 38, 45, 38, 1, 0)_{169992} \\
\ell_{967} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{8524097} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{8524097} = \mathbf{Pl}(14, 38, 11, 38, 1, 0)_{167850} \\
\ell_{968} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{6394561} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{6394561} = \mathbf{Pl}(14, 38, 59, 38, 1, 0)_{170874} \\
\ell_{969} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{16780993} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{16780993} = \mathbf{Pl}(14, 38, 29, 38, 1, 0)_{168984} \\
\ell_{970} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{4263041} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{4263041} = \mathbf{Pl}(14, 38, 22, 38, 1, 0)_{168543} \\
\ell_{971} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{11983809} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{11983809} = \mathbf{Pl}(14, 38, 48, 38, 1, 0)_{170181} \\
\ell_{972} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{3198273} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{3198273} = \mathbf{Pl}(14, 38, 23, 38, 1, 0)_{168606} \\
\ell_{973} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{7192321} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{7192321} = \mathbf{Pl}(14, 38, 49, 38, 1, 0)_{170244} \\
\ell_{974} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{12518209} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{12518209} = \mathbf{Pl}(14, 38, 58, 38, 1, 0)_{170811} \\
\ell_{975} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{9854465} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{9854465} = \mathbf{Pl}(14, 38, 28, 38, 1, 0)_{168921}
\end{aligned}$$

$$\begin{aligned}
\ell_{976} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{2131521} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{2131521} = \mathbf{Pl}(14, 38, 44, 38, 1, 0)_{169929} \\
\ell_{977} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{6926913} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{6926913} = \mathbf{Pl}(14, 38, 10, 38, 1, 0)_{167787} \\
\ell_{978} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{10119617} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{10119617} = \mathbf{Pl}(14, 38, 1, 38, 1, 0)_{167220} \\
\ell_{979} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{1600129} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{1600129} = \mathbf{Pl}(14, 38, 46, 38, 1, 0)_{170055} \\
\ell_{980} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{11718145} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{11718145} = \mathbf{Pl}(14, 38, 8, 38, 1, 0)_{167661} \\
\ell_{981} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{16246593} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{16246593} = \mathbf{Pl}(14, 38, 3, 38, 1, 0)_{167346} \\
\ell_{982} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{7457217} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{7457217} = \mathbf{Pl}(14, 38, 37, 38, 1, 0)_{169488} \\
\ell_{983} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{10386817} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{10386817} = \mathbf{Pl}(14, 38, 21, 38, 1, 0)_{168480} \\
\ell_{984} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{3998337} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{3998337} = \mathbf{Pl}(14, 38, 51, 38, 1, 0)_{170370} \\
\ell_{985} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{9057985} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{9057985} = \mathbf{Pl}(14, 38, 56, 38, 1, 0)_{170685} \\
\ell_{986} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{10922177} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{10922177} = \mathbf{Pl}(14, 38, 30, 38, 1, 0)_{169047} \\
\ell_{987} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{1068801} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{1068801} = \mathbf{Pl}(14, 38, 57, 38, 1, 0)_{170748} \\
\ell_{988} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{16514049} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{16514049} = \mathbf{Pl}(14, 38, 31, 38, 1, 0)_{169110} \\
\ell_{989} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{3464449} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{3464449} = \mathbf{Pl}(14, 38, 20, 38, 1, 0)_{168417} \\
\ell_{990} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{2398721} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{2398721} = \mathbf{Pl}(14, 38, 50, 38, 1, 0)_{170307} \\
\ell_{991} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{5062849} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{5062849} = \mathbf{Pl}(14, 38, 2, 38, 1, 0)_{167283} \\
\ell_{992} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{15981185} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{15981185} = \mathbf{Pl}(14, 38, 36, 38, 1, 0)_{169425} \\
\ell_{993} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{15446273} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{15446273} = \mathbf{Pl}(14, 38, 47, 38, 1, 0)_{170118} \\
\ell_{994} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{13316929} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{13316929} = \mathbf{Pl}(14, 38, 9, 38, 1, 0)_{167724} \\
\ell_{995} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{800065} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{800065} = \mathbf{Pl}(14, 38, 61, 38, 1, 0)_{171000} \\
\ell_{996} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{13049473} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{13049473} = \mathbf{Pl}(14, 38, 27, 38, 1, 0)_{168858}
\end{aligned}$$

$$\begin{aligned}
\ell_{997} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{5859073} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{5859073} = \mathbf{Pl}(14, 38, 16, 38, 1, 0)_{168165} \\
\ell_{998} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{10655489} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{10655489} = \mathbf{Pl}(14, 38, 54, 38, 1, 0)_{170559} \\
\ell_{999} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{12251009} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{12251009} = \mathbf{Pl}(14, 38, 6, 38, 1, 0)_{167535} \\
\ell_{1000} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{2929537} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{2929537} = \mathbf{Pl}(14, 38, 32, 38, 1, 0)_{169173} \\
\ell_{1001} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{3731649} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{3731649} = \mathbf{Pl}(14, 38, 43, 38, 1, 0)_{169866} \\
\ell_{1002} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{5327745} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{5327745} = \mathbf{Pl}(14, 38, 13, 38, 1, 0)_{167976} \\
\ell_{1003} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{9324161} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{9324161} = \mathbf{Pl}(14, 38, 42, 38, 1, 0)_{169803} \\
\ell_{1004} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{6125505} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{6125505} = \mathbf{Pl}(14, 38, 12, 38, 1, 0)_{167913} \\
\ell_{1005} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{14649601} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{14649601} = \mathbf{Pl}(14, 38, 7, 38, 1, 0)_{167598} \\
\ell_{1006} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{14117249} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{14117249} = \mathbf{Pl}(14, 38, 33, 38, 1, 0)_{169236} \\
\ell_{1007} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{4529985} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{4529985} = \mathbf{Pl}(14, 38, 17, 38, 1, 0)_{168228} \\
\ell_{1008} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{1866817} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{1866817} = \mathbf{Pl}(14, 38, 55, 38, 1, 0)_{170622} \\
\ell_{1009} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{9588801} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{9588801} = \mathbf{Pl}(14, 38, 60, 38, 1, 0)_{170937} \\
\ell_{1010} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{2663873} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{2663873} = \mathbf{Pl}(14, 38, 26, 38, 1, 0)_{168795} \\
\ell_{1011} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{534401} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{534401} = \mathbf{Pl}(14, 38, 19, 38, 1, 0)_{168354} \\
\ell_{1012} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{8790785} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{8790785} = \mathbf{Pl}(14, 38, 53, 38, 1, 0)_{170496} \\
\ell_{1013} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{8257025} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{8257025} = \mathbf{Pl}(14, 38, 62, 38, 1, 0)_{171063} \\
\ell_{1014} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{15712193} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{15712193} = \mathbf{Pl}(14, 38, 24, 38, 1, 0)_{168669} \\
\ell_{1015} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{14382657} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{14382657} = \mathbf{Pl}(14, 38, 40, 38, 1, 0)_{169677} \\
\ell_{1016} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{11453505} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{11453505} = \mathbf{Pl}(14, 38, 14, 38, 1, 0)_{168039} \\
\ell_{1017} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{13851841} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{13851841} = \mathbf{Pl}(14, 38, 5, 38, 1, 0)_{167472}
\end{aligned}$$

$$\begin{aligned}
\ell_{1018} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{11187329} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{11187329} = \mathbf{Pl}(14, 38, 35, 38, 1, 0)_{169362} \\
\ell_{1019} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{15180865} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{15180865} = \mathbf{Pl}(14, 38, 4, 38, 1, 0)_{167409} \\
\ell_{1020} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{14914433} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{14914433} = \mathbf{Pl}(14, 38, 34, 38, 1, 0)_{169299} \\
\ell_{1021} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{7990593} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{7990593} = \mathbf{Pl}(14, 38, 41, 38, 1, 0)_{169740} \\
\ell_{1022} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{13582849} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{13582849} = \mathbf{Pl}(14, 38, 15, 38, 1, 0)_{168102} \\
\ell_{1023} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{7723137} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{7723137} = \mathbf{Pl}(14, 38, 63, 38, 1, 0)_{171126} \\
\ell_{1024} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{4797441} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{4797441} = \mathbf{Pl}(14, 38, 25, 38, 1, 0)_{168732} \\
\ell_{1025} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{6661505} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{6661505} = \mathbf{Pl}(14, 38, 18, 38, 1, 0)_{168291} \\
\ell_{1026} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{1334977} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{1334977} = \mathbf{Pl}(14, 38, 52, 38, 1, 0)_{170433} \\
\ell_{1027} &= \begin{bmatrix} 1 & \epsilon^{15} & \epsilon^{15} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{5683925} = \begin{bmatrix} 1 & 21 & 21 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{5683925} = \mathbf{Pl}(0, 21, 0, 21, 1, 0)_{14977} \\
\ell_{1028} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{10122049} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{10122049} = \mathbf{Pl}(15, 21, 20, 21, 1, 0)_{100945} \\
\ell_{1029} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{267265} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{267265} = \mathbf{Pl}(15, 21, 21, 21, 1, 0)_{101008} \\
\ell_{1030} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{12786113} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{12786113} = \mathbf{Pl}(15, 21, 42, 21, 1, 0)_{102331} \\
\ell_{1031} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{8522049} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{8522049} = \mathbf{Pl}(15, 21, 63, 21, 1, 0)_{103654} \\
\ell_{1032} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{6394049} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{6394049} = \mathbf{Pl}(15, 21, 53, 21, 1, 0)_{103024} \\
\ell_{1033} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{16777345} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{16777345} = \mathbf{Pl}(15, 21, 32, 21, 1, 0)_{101701} \\
\ell_{1034} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{4264065} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{4264065} = \mathbf{Pl}(15, 21, 31, 21, 1, 0)_{101638} \\
\ell_{1035} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{11986689} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{11986689} = \mathbf{Pl}(15, 21, 10, 21, 1, 0)_{100315} \\
\ell_{1036} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{3198017} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{3198017} = \mathbf{Pl}(15, 21, 11, 21, 1, 0)_{100378} \\
\ell_{1037} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{7193921} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{7193921} = \mathbf{Pl}(15, 21, 30, 21, 1, 0)_{101575} \\
\ell_{1038} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{12519425} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{12519425} = \mathbf{Pl}(15, 21, 33, 21, 1, 0)_{101764}
\end{aligned}$$

$$\begin{aligned}
\ell_{1039} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{9856705} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{9856705} = \mathbf{Pl}(15, 21, 52, 21, 1, 0)_{102961} \\
\ell_{1040} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{2132033} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{2132033} = \mathbf{Pl}(15, 21, 62, 21, 1, 0)_{103591} \\
\ell_{1041} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{6927297} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{6927297} = \mathbf{Pl}(15, 21, 43, 21, 1, 0)_{102394} \\
\ell_{1042} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{5592449} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{5592449} = \mathbf{Pl}(15, 21, 1, 21, 1, 0)_{99748} \\
\ell_{1043} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{1600001} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{1600001} = \mathbf{Pl}(15, 21, 22, 21, 1, 0)_{101071} \\
\ell_{1044} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{11719425} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{11719425} = \mathbf{Pl}(15, 21, 3, 21, 1, 0)_{99874} \\
\ell_{1045} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{16246401} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{16246401} = \mathbf{Pl}(15, 21, 60, 21, 1, 0)_{103465} \\
\ell_{1046} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{7457985} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{7457985} = \mathbf{Pl}(15, 21, 41, 21, 1, 0)_{102268} \\
\ell_{1047} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{10388417} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{10388417} = \mathbf{Pl}(15, 21, 35, 21, 1, 0)_{101890} \\
\ell_{1048} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{3997889} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{3997889} = \mathbf{Pl}(15, 21, 54, 21, 1, 0)_{103087} \\
\ell_{1049} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{9056065} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{9056065} = \mathbf{Pl}(15, 21, 9, 21, 1, 0)_{100252} \\
\ell_{1050} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{10919681} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{10919681} = \mathbf{Pl}(15, 21, 28, 21, 1, 0)_{101449} \\
\ell_{1051} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{1069057} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{1069057} = \mathbf{Pl}(15, 21, 29, 21, 1, 0)_{101512} \\
\ell_{1052} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{16511617} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{16511617} = \mathbf{Pl}(15, 21, 8, 21, 1, 0)_{100189} \\
\ell_{1053} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{3464641} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{3464641} = \mathbf{Pl}(15, 21, 55, 21, 1, 0)_{103150} \\
\ell_{1054} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{2398145} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{2398145} = \mathbf{Pl}(15, 21, 34, 21, 1, 0)_{101827} \\
\ell_{1055} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{5062017} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{5062017} = \mathbf{Pl}(15, 21, 40, 21, 1, 0)_{102205} \\
\ell_{1056} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{15979393} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{15979393} = \mathbf{Pl}(15, 21, 61, 21, 1, 0)_{103528} \\
\ell_{1057} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{15448705} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{15448705} = \mathbf{Pl}(15, 21, 2, 21, 1, 0)_{99811} \\
\ell_{1058} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{13317825} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{13317825} = \mathbf{Pl}(15, 21, 23, 21, 1, 0)_{101134} \\
\ell_{1059} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{800001} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{800001} = \mathbf{Pl}(15, 21, 44, 21, 1, 0)_{102457}
\end{aligned}$$

$$\begin{aligned}
\ell_{1060} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{13052481} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{13052481} = \mathbf{Pl}(15, 21, 57, 21, 1, 0)_{103276} \\
\ell_{1061} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{5859713} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{5859713} = \mathbf{Pl}(15, 21, 6, 21, 1, 0)_{100063} \\
\ell_{1062} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{10653953} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{10653953} = \mathbf{Pl}(15, 21, 19, 21, 1, 0)_{100882} \\
\ell_{1063} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{12253953} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{12253953} = \mathbf{Pl}(15, 21, 25, 21, 1, 0)_{101260} \\
\ell_{1064} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{2929857} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{2929857} = \mathbf{Pl}(15, 21, 12, 21, 1, 0)_{100441} \\
\ell_{1065} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{3732033} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{3732033} = \mathbf{Pl}(15, 21, 51, 21, 1, 0)_{102898} \\
\ell_{1066} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{5326977} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{5326977} = \mathbf{Pl}(15, 21, 38, 21, 1, 0)_{102079} \\
\ell_{1067} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{9321921} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{9321921} = \mathbf{Pl}(15, 21, 39, 21, 1, 0)_{102142} \\
\ell_{1068} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{6126977} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{6126977} = \mathbf{Pl}(15, 21, 50, 21, 1, 0)_{102835} \\
\ell_{1069} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{14648385} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{14648385} = \mathbf{Pl}(15, 21, 13, 21, 1, 0)_{100504} \\
\ell_{1070} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{14114369} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{14114369} = \mathbf{Pl}(15, 21, 24, 21, 1, 0)_{101197} \\
\ell_{1071} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{4531073} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{4531073} = \mathbf{Pl}(15, 21, 18, 21, 1, 0)_{100819} \\
\ell_{1072} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{1867009} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{1867009} = \mathbf{Pl}(15, 21, 7, 21, 1, 0)_{100126} \\
\ell_{1073} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{9590593} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{9590593} = \mathbf{Pl}(15, 21, 56, 21, 1, 0)_{103213} \\
\ell_{1074} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{2663489} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{2663489} = \mathbf{Pl}(15, 21, 45, 21, 1, 0)_{102520} \\
\ell_{1075} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{534529} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{534529} = \mathbf{Pl}(15, 21, 58, 21, 1, 0)_{103339} \\
\ell_{1076} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{8788673} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{8788673} = \mathbf{Pl}(15, 21, 47, 21, 1, 0)_{102646} \\
\ell_{1077} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{8255809} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{8255809} = \mathbf{Pl}(15, 21, 16, 21, 1, 0)_{100693} \\
\ell_{1078} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{15715969} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{15715969} = \mathbf{Pl}(15, 21, 5, 21, 1, 0)_{100000} \\
\ell_{1079} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{14381761} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{14381761} = \mathbf{Pl}(15, 21, 15, 21, 1, 0)_{100630} \\
\ell_{1080} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{11451905} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{11451905} = \mathbf{Pl}(15, 21, 26, 21, 1, 0)_{101323}
\end{aligned}$$

$$\begin{aligned}
\ell_{1081} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{13848513} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{13848513} = \mathbf{Pl}(15, 21, 37, 21, 1, 0)_{102016} \\
\ell_{1082} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{11184897} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{11184897} = \mathbf{Pl}(15, 21, 48, 21, 1, 0)_{102709} \\
\ell_{1083} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{15181441} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{15181441} = \mathbf{Pl}(15, 21, 49, 21, 1, 0)_{102772} \\
\ell_{1084} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{14915969} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{14915969} = \mathbf{Pl}(15, 21, 36, 21, 1, 0)_{101953} \\
\ell_{1085} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{7989697} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{7989697} = \mathbf{Pl}(15, 21, 27, 21, 1, 0)_{101386} \\
\ell_{1086} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{13583937} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{13583937} = \mathbf{Pl}(15, 21, 14, 21, 1, 0)_{100567} \\
\ell_{1087} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{7724353} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{7724353} = \mathbf{Pl}(15, 21, 4, 21, 1, 0)_{99937} \\
\ell_{1088} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{4796289} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{4796289} = \mathbf{Pl}(15, 21, 17, 21, 1, 0)_{100756} \\
\ell_{1089} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{6659905} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{6659905} = \mathbf{Pl}(15, 21, 46, 21, 1, 0)_{102583} \\
\ell_{1090} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{1334785} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{1334785} = \mathbf{Pl}(15, 21, 59, 21, 1, 0)_{103402} \\
\ell_{1091} &= \begin{bmatrix} 1 & \epsilon^{59} & \epsilon^{59} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1626950} = \begin{bmatrix} 1 & 6 & 6 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1626950} = \mathbf{Pl}(0, 6, 0, 6, 1, 0)_{13057} \\
\ell_{1092} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{11720257} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{11720257} = \mathbf{Pl}(16, 6, 7, 6, 1, 0)_{40592} \\
\ell_{1093} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{267329} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{267329} = \mathbf{Pl}(16, 6, 6, 6, 1, 0)_{40529} \\
\ell_{1094} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{12783105} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{12783105} = \mathbf{Pl}(16, 6, 12, 6, 1, 0)_{40907} \\
\ell_{1095} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{8524737} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{8524737} = \mathbf{Pl}(16, 6, 10, 6, 1, 0)_{40781} \\
\ell_{1096} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{6391553} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{6391553} = \mathbf{Pl}(16, 6, 24, 6, 1, 0)_{41663} \\
\ell_{1097} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{16780865} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{16780865} = \mathbf{Pl}(16, 6, 30, 6, 1, 0)_{42041} \\
\ell_{1098} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{4263361} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{4263361} = \mathbf{Pl}(16, 6, 20, 6, 1, 0)_{41411} \\
\ell_{1099} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{11987585} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{11987585} = \mathbf{Pl}(16, 6, 18, 6, 1, 0)_{41285} \\
\ell_{1100} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{3195777} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{3195777} = \mathbf{Pl}(16, 6, 48, 6, 1, 0)_{43175} \\
\ell_{1101} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{7193537} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{7193537} = \mathbf{Pl}(16, 6, 54, 6, 1, 0)_{43553}
\end{aligned}$$

$$\begin{aligned}
\ell_{1102} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{12518145} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{12518145} = \mathbf{Pl}(16, 6, 60, 6, 1, 0)_{43931} \\
\ell_{1103} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{9855169} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{9855169} = \mathbf{Pl}(16, 6, 58, 6, 1, 0)_{43805} \\
\ell_{1104} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{2132673} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{2132673} = \mathbf{Pl}(16, 6, 40, 6, 1, 0)_{42671} \\
\ell_{1105} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{6926209} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{6926209} = \mathbf{Pl}(16, 6, 46, 6, 1, 0)_{43049} \\
\ell_{1106} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{10122497} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{10122497} = \mathbf{Pl}(16, 6, 36, 6, 1, 0)_{42419} \\
\ell_{1107} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{5593793} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{5593793} = \mathbf{Pl}(16, 6, 34, 6, 1, 0)_{42293} \\
\ell_{1108} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{1597889} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{1597889} = \mathbf{Pl}(16, 6, 1, 6, 1, 0)_{40214} \\
\ell_{1109} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{16246209} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{16246209} = \mathbf{Pl}(16, 6, 13, 6, 1, 0)_{40970} \\
\ell_{1110} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{7458881} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{7458881} = \mathbf{Pl}(16, 6, 11, 6, 1, 0)_{40844} \\
\ell_{1111} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{10389825} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{10389825} = \mathbf{Pl}(16, 6, 25, 6, 1, 0)_{41726} \\
\ell_{1112} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{3997761} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{3997761} = \mathbf{Pl}(16, 6, 31, 6, 1, 0)_{42104} \\
\ell_{1113} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{9055297} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{9055297} = \mathbf{Pl}(16, 6, 21, 6, 1, 0)_{41474} \\
\ell_{1114} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{10920257} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{10920257} = \mathbf{Pl}(16, 6, 19, 6, 1, 0)_{41348} \\
\ell_{1115} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{1067329} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{1067329} = \mathbf{Pl}(16, 6, 49, 6, 1, 0)_{43238} \\
\ell_{1116} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{16513537} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{16513537} = \mathbf{Pl}(16, 6, 55, 6, 1, 0)_{43616} \\
\ell_{1117} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{3463105} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{3463105} = \mathbf{Pl}(16, 6, 61, 6, 1, 0)_{43994} \\
\ell_{1118} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{2400001} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{2400001} = \mathbf{Pl}(16, 6, 59, 6, 1, 0)_{43868} \\
\ell_{1119} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{5061249} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{5061249} = \mathbf{Pl}(16, 6, 41, 6, 1, 0)_{42734} \\
\ell_{1120} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{15978881} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{15978881} = \mathbf{Pl}(16, 6, 47, 6, 1, 0)_{43112} \\
\ell_{1121} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{15446337} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{15446337} = \mathbf{Pl}(16, 6, 37, 6, 1, 0)_{42482} \\
\ell_{1122} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{13317761} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{13317761} = \mathbf{Pl}(16, 6, 35, 6, 1, 0)_{42356}
\end{aligned}$$

$$\begin{aligned}
\ell_{1123} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{801985} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{801985} = \mathbf{Pl}(16, 6, 2, 6, 1, 0)_{40277} \\
\ell_{1124} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{13050433} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{13050433} = \mathbf{Pl}(16, 6, 4, 6, 1, 0)_{40403} \\
\ell_{1125} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{5861121} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{5861121} = \mathbf{Pl}(16, 6, 14, 6, 1, 0)_{41033} \\
\ell_{1126} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{10652929} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{10652929} = \mathbf{Pl}(16, 6, 8, 6, 1, 0)_{40655} \\
\ell_{1127} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{12250817} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{12250817} = \mathbf{Pl}(16, 6, 26, 6, 1, 0)_{41789} \\
\ell_{1128} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{2930561} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{2930561} = \mathbf{Pl}(16, 6, 28, 6, 1, 0)_{41915} \\
\ell_{1129} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{3730433} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{3730433} = \mathbf{Pl}(16, 6, 22, 6, 1, 0)_{41537} \\
\ell_{1130} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{5326465} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{5326465} = \mathbf{Pl}(16, 6, 16, 6, 1, 0)_{41159} \\
\ell_{1131} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{9322625} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{9322625} = \mathbf{Pl}(16, 6, 50, 6, 1, 0)_{43301} \\
\ell_{1132} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{6128449} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{6128449} = \mathbf{Pl}(16, 6, 52, 6, 1, 0)_{43427} \\
\ell_{1133} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{14648321} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{14648321} = \mathbf{Pl}(16, 6, 62, 6, 1, 0)_{44057} \\
\ell_{1134} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{14117761} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{14117761} = \mathbf{Pl}(16, 6, 56, 6, 1, 0)_{43679} \\
\ell_{1135} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{4530689} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{4530689} = \mathbf{Pl}(16, 6, 42, 6, 1, 0)_{42797} \\
\ell_{1136} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{1865217} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{1865217} = \mathbf{Pl}(16, 6, 44, 6, 1, 0)_{42923} \\
\ell_{1137} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{9587841} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{9587841} = \mathbf{Pl}(16, 6, 38, 6, 1, 0)_{42545} \\
\ell_{1138} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{2663233} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{2663233} = \mathbf{Pl}(16, 6, 32, 6, 1, 0)_{42167} \\
\ell_{1139} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{534657} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{534657} = \mathbf{Pl}(16, 6, 3, 6, 1, 0)_{40340} \\
\ell_{1140} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{8792065} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{8792065} = \mathbf{Pl}(16, 6, 5, 6, 1, 0)_{40466} \\
\ell_{1141} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{8256769} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{8256769} = \mathbf{Pl}(16, 6, 15, 6, 1, 0)_{41096} \\
\ell_{1142} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{15713665} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{15713665} = \mathbf{Pl}(16, 6, 9, 6, 1, 0)_{40718} \\
\ell_{1143} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{14380993} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{14380993} = \mathbf{Pl}(16, 6, 27, 6, 1, 0)_{41852}
\end{aligned}$$

$$\begin{aligned}
\ell_{1144} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{11454913} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{11454913} = \mathbf{Pl}(16, 6, 29, 6, 1, 0)_{41978} \\
\ell_{1145} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{13850433} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{13850433} = \mathbf{Pl}(16, 6, 23, 6, 1, 0)_{41600} \\
\ell_{1146} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{11187585} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{11187585} = \mathbf{Pl}(16, 6, 17, 6, 1, 0)_{41222} \\
\ell_{1147} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{15183105} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{15183105} = \mathbf{Pl}(16, 6, 51, 6, 1, 0)_{43364} \\
\ell_{1148} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{14915777} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{14915777} = \mathbf{Pl}(16, 6, 53, 6, 1, 0)_{43490} \\
\ell_{1149} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{7989441} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{7989441} = \mathbf{Pl}(16, 6, 63, 6, 1, 0)_{44120} \\
\ell_{1150} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{13585089} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{13585089} = \mathbf{Pl}(16, 6, 57, 6, 1, 0)_{43742} \\
\ell_{1151} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{7726209} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{7726209} = \mathbf{Pl}(16, 6, 43, 6, 1, 0)_{42860} \\
\ell_{1152} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{4793921} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{4793921} = \mathbf{Pl}(16, 6, 45, 6, 1, 0)_{42986} \\
\ell_{1153} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{6658881} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{6658881} = \mathbf{Pl}(16, 6, 39, 6, 1, 0)_{42608} \\
\ell_{1154} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{1334657} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{1334657} = \mathbf{Pl}(16, 6, 33, 6, 1, 0)_{42230} \\
\ell_{1155} &= \begin{bmatrix} 1 & \epsilon^{20} & \epsilon^{20} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{11904620} = \begin{bmatrix} 1 & 44 & 44 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{11904620} = \mathbf{Pl}(0, 44, 0, 44, 1, 0)_{17921} \\
\ell_{1156} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{1598273} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{1598273} = \mathbf{Pl}(17, 44, 45, 44, 1, 0)_{193809} \\
\ell_{1157} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{267393} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{267393} = \mathbf{Pl}(17, 44, 44, 44, 1, 0)_{193746} \\
\ell_{1158} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{12786177} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{12786177} = \mathbf{Pl}(17, 44, 57, 44, 1, 0)_{194565} \\
\ell_{1159} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{8522689} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{8522689} = \mathbf{Pl}(17, 44, 21, 44, 1, 0)_{192297} \\
\ell_{1160} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{6393089} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{6393089} = \mathbf{Pl}(17, 44, 19, 44, 1, 0)_{192171} \\
\ell_{1161} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{16777473} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{16777473} = \mathbf{Pl}(17, 44, 63, 44, 1, 0)_{194943} \\
\ell_{1162} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{4264385} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{4264385} = \mathbf{Pl}(17, 44, 42, 44, 1, 0)_{193620} \\
\ell_{1163} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{11984705} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{11984705} = \mathbf{Pl}(17, 44, 6, 44, 1, 0)_{191352} \\
\ell_{1164} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{3196545} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{3196545} = \mathbf{Pl}(17, 44, 38, 44, 1, 0)_{193368}
\end{aligned}$$

$$\begin{aligned}
\ell_{1165} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{7193217} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{7193217} = \mathbf{Pl}(17, 44, 10, 44, 1, 0)_{191604} \\
\ell_{1166} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{12519489} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{12519489} = \mathbf{Pl}(17, 44, 31, 44, 1, 0)_{192927} \\
\ell_{1167} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{9857025} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{9857025} = \mathbf{Pl}(17, 44, 51, 44, 1, 0)_{194187} \\
\ell_{1168} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{2133185} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{2133185} = \mathbf{Pl}(17, 44, 53, 44, 1, 0)_{194313} \\
\ell_{1169} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{6927873} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{6927873} = \mathbf{Pl}(17, 44, 25, 44, 1, 0)_{192549} \\
\ell_{1170} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{10120065} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{10120065} = \mathbf{Pl}(17, 44, 12, 44, 1, 0)_{191730} \\
\ell_{1171} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{5592577} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{5592577} = \mathbf{Pl}(17, 44, 32, 44, 1, 0)_{192990} \\
\ell_{1172} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{11717441} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{11717441} = \mathbf{Pl}(17, 44, 1, 44, 1, 0)_{191037} \\
\ell_{1173} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{16247041} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{16247041} = \mathbf{Pl}(17, 44, 20, 44, 1, 0)_{192234} \\
\ell_{1174} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{7460161} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{7460161} = \mathbf{Pl}(17, 44, 56, 44, 1, 0)_{194502} \\
\ell_{1175} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{10387457} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{10387457} = \mathbf{Pl}(17, 44, 62, 44, 1, 0)_{194880} \\
\ell_{1176} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{3998465} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{3998465} = \mathbf{Pl}(17, 44, 18, 44, 1, 0)_{192108} \\
\ell_{1177} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{9057217} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{9057217} = \mathbf{Pl}(17, 44, 7, 44, 1, 0)_{191415} \\
\ell_{1178} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{10921857} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{10921857} = \mathbf{Pl}(17, 44, 43, 44, 1, 0)_{193683} \\
\ell_{1179} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{1067585} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{1067585} = \mathbf{Pl}(17, 44, 11, 44, 1, 0)_{191667} \\
\ell_{1180} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{16512129} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{16512129} = \mathbf{Pl}(17, 44, 39, 44, 1, 0)_{193431} \\
\ell_{1181} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{3463937} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{3463937} = \mathbf{Pl}(17, 44, 50, 44, 1, 0)_{194124} \\
\ell_{1182} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{2400449} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{2400449} = \mathbf{Pl}(17, 44, 30, 44, 1, 0)_{192864} \\
\ell_{1183} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{5060033} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{5060033} = \mathbf{Pl}(17, 44, 24, 44, 1, 0)_{192486} \\
\ell_{1184} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{15981697} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{15981697} = \mathbf{Pl}(17, 44, 52, 44, 1, 0)_{194250} \\
\ell_{1185} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{15448769} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{15448769} = \mathbf{Pl}(17, 44, 33, 44, 1, 0)_{193053}
\end{aligned}$$

$$\begin{aligned}
\ell_{1186} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{13316865} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{13316865} = \mathbf{Pl}(17, 44, 13, 44, 1, 0)_{191793} \\
\ell_{1187} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{802177} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{802177} = \mathbf{Pl}(17, 44, 59, 44, 1, 0)_{194691} \\
\ell_{1188} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{13051521} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{13051521} = \mathbf{Pl}(17, 44, 23, 44, 1, 0)_{192423} \\
\ell_{1189} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{5861761} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{5861761} = \mathbf{Pl}(17, 44, 2, 44, 1, 0)_{191100} \\
\ell_{1190} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{10654465} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{10654465} = \mathbf{Pl}(17, 44, 46, 44, 1, 0)_{193872} \\
\ell_{1191} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{12252225} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{12252225} = \mathbf{Pl}(17, 44, 40, 44, 1, 0)_{193494} \\
\ell_{1192} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{2930881} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{2930881} = \mathbf{Pl}(17, 44, 4, 44, 1, 0)_{191226} \\
\ell_{1193} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{3731073} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{3731073} = \mathbf{Pl}(17, 44, 17, 44, 1, 0)_{192045} \\
\ell_{1194} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{5327233} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{5327233} = \mathbf{Pl}(17, 44, 61, 44, 1, 0)_{194817} \\
\ell_{1195} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{9324481} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{9324481} = \mathbf{Pl}(17, 44, 29, 44, 1, 0)_{192801} \\
\ell_{1196} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{6127105} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{6127105} = \mathbf{Pl}(17, 44, 49, 44, 1, 0)_{194061} \\
\ell_{1197} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{14649665} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{14649665} = \mathbf{Pl}(17, 44, 36, 44, 1, 0)_{193242} \\
\ell_{1198} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{14114881} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{14114881} = \mathbf{Pl}(17, 44, 8, 44, 1, 0)_{191478} \\
\ell_{1199} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{4529601} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{4529601} = \mathbf{Pl}(17, 44, 14, 44, 1, 0)_{191856} \\
\ell_{1200} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{1865537} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{1865537} = \mathbf{Pl}(17, 44, 34, 44, 1, 0)_{193116} \\
\ell_{1201} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{9589633} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{9589633} = \mathbf{Pl}(17, 44, 55, 44, 1, 0)_{194439} \\
\ell_{1202} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{2663617} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{2663617} = \mathbf{Pl}(17, 44, 27, 44, 1, 0)_{192675} \\
\ell_{1203} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{534785} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{534785} = \mathbf{Pl}(17, 44, 22, 44, 1, 0)_{192360} \\
\ell_{1204} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{8789953} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{8789953} = \mathbf{Pl}(17, 44, 58, 44, 1, 0)_{194628} \\
\ell_{1205} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{8256065} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{8256065} = \mathbf{Pl}(17, 44, 47, 44, 1, 0)_{193935} \\
\ell_{1206} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{15713985} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{15713985} = \mathbf{Pl}(17, 44, 3, 44, 1, 0)_{191163}
\end{aligned}$$

$$\begin{aligned}
\ell_{1207} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{14384449} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{14384449} = \mathbf{Pl}(17, 44, 5, 44, 1, 0)_{191289} \\
\ell_{1208} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{11452545} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{11452545} = \mathbf{Pl}(17, 44, 41, 44, 1, 0)_{193557} \\
\ell_{1209} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{13849665} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{13849665} = \mathbf{Pl}(17, 44, 60, 44, 1, 0)_{194754} \\
\ell_{1210} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{11185153} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{11185153} = \mathbf{Pl}(17, 44, 16, 44, 1, 0)_{191982} \\
\ell_{1211} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{15179457} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{15179457} = \mathbf{Pl}(17, 44, 48, 44, 1, 0)_{193998} \\
\ell_{1212} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{14914241} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{14914241} = \mathbf{Pl}(17, 44, 28, 44, 1, 0)_{192738} \\
\ell_{1213} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{7990849} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{7990849} = \mathbf{Pl}(17, 44, 9, 44, 1, 0)_{191541} \\
\ell_{1214} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{13582209} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{13582209} = \mathbf{Pl}(17, 44, 37, 44, 1, 0)_{193305} \\
\ell_{1215} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{7725377} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{7725377} = \mathbf{Pl}(17, 44, 35, 44, 1, 0)_{193179} \\
\ell_{1216} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{4794817} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{4794817} = \mathbf{Pl}(17, 44, 15, 44, 1, 0)_{191919} \\
\ell_{1217} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{6658433} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{6658433} = \mathbf{Pl}(17, 44, 26, 44, 1, 0)_{192612} \\
\ell_{1218} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{1334849} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{1334849} = \mathbf{Pl}(17, 44, 54, 44, 1, 0)_{194376} \\
\ell_{1219} &= \begin{bmatrix} 1 & \epsilon^{28} & \epsilon^{28} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{16502525} = \begin{bmatrix} 1 & 61 & 61 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{16502525} = \mathbf{Pl}(0, 61, 0, 61, 1, 0)_{20097} \\
\ell_{1220} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{7458369} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{7458369} = \mathbf{Pl}(18, 61, 60, 61, 1, 0)_{262228} \\
\ell_{1221} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{267457} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{267457} = \mathbf{Pl}(18, 61, 61, 61, 1, 0)_{262291} \\
\ell_{1222} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{12783169} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{12783169} = \mathbf{Pl}(18, 61, 27, 61, 1, 0)_{260149} \\
\ell_{1223} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{8522625} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{8522625} = \mathbf{Pl}(18, 61, 38, 61, 1, 0)_{260842} \\
\ell_{1224} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{6394625} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{6394625} = \mathbf{Pl}(18, 61, 54, 61, 1, 0)_{261850} \\
\ell_{1225} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{16779521} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{16779521} = \mathbf{Pl}(18, 61, 11, 61, 1, 0)_{259141} \\
\ell_{1226} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{4261313} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{4261313} = \mathbf{Pl}(18, 61, 45, 61, 1, 0)_{261283} \\
\ell_{1227} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{11984065} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{11984065} = \mathbf{Pl}(18, 61, 16, 61, 1, 0)_{259456}
\end{aligned}$$

$$\begin{aligned}
\ell_{1228} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{3197313} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{3197313} = \mathbf{Pl}(18, 61, 13, 61, 1, 0)_{259267} \\
\ell_{1229} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{7190337} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{7190337} = \mathbf{Pl}(18, 61, 48, 61, 1, 0)_{261472} \\
\ell_{1230} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{12518465} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{12518465} = \mathbf{Pl}(18, 61, 22, 61, 1, 0)_{259834} \\
\ell_{1231} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{9856641} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{9856641} = \mathbf{Pl}(18, 61, 43, 61, 1, 0)_{261157} \\
\ell_{1232} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{2133697} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{2133697} = \mathbf{Pl}(18, 61, 59, 61, 1, 0)_{262165} \\
\ell_{1233} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{6924929} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{6924929} = \mathbf{Pl}(18, 61, 6, 61, 1, 0)_{258826} \\
\ell_{1234} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{10119745} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{10119745} = \mathbf{Pl}(18, 61, 32, 61, 1, 0)_{260464} \\
\ell_{1235} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{5596225} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{5596225} = \mathbf{Pl}(18, 61, 29, 61, 1, 0)_{260275} \\
\ell_{1236} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{1598657} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{1598657} = \mathbf{Pl}(18, 61, 26, 61, 1, 0)_{260086} \\
\ell_{1237} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{11718657} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{11718657} = \mathbf{Pl}(18, 61, 39, 61, 1, 0)_{260905} \\
\ell_{1238} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{16244609} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{16244609} = \mathbf{Pl}(18, 61, 1, 61, 1, 0)_{258511} \\
\ell_{1239} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{10386945} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{10386945} = \mathbf{Pl}(18, 61, 44, 61, 1, 0)_{261220} \\
\ell_{1240} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{3997377} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{3997377} = \mathbf{Pl}(18, 61, 17, 61, 1, 0)_{259519} \\
\ell_{1241} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{9057025} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{9057025} = \mathbf{Pl}(18, 61, 55, 61, 1, 0)_{261913} \\
\ell_{1242} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{10921473} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{10921473} = \mathbf{Pl}(18, 61, 10, 61, 1, 0)_{259078} \\
\ell_{1243} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{1067841} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{1067841} = \mathbf{Pl}(18, 61, 23, 61, 1, 0)_{259897} \\
\ell_{1244} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{16514369} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{16514369} = \mathbf{Pl}(18, 61, 42, 61, 1, 0)_{261094} \\
\ell_{1245} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{3462465} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{3462465} = \mathbf{Pl}(18, 61, 12, 61, 1, 0)_{259204} \\
\ell_{1246} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{2398849} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{2398849} = \mathbf{Pl}(18, 61, 49, 61, 1, 0)_{261535} \\
\ell_{1247} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{5062913} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{5062913} = \mathbf{Pl}(18, 61, 33, 61, 1, 0)_{260527} \\
\ell_{1248} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{15979457} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{15979457} = \mathbf{Pl}(18, 61, 28, 61, 1, 0)_{260212}
\end{aligned}$$

$$\begin{aligned}
\ell_{1249} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{15447553} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{15447553} = \mathbf{Pl}(18, 61, 58, 61, 1, 0)_{262102} \\
\ell_{1250} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{13318081} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{13318081} = \mathbf{Pl}(18, 61, 7, 61, 1, 0)_{258889} \\
\ell_{1251} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{802369} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{802369} = \mathbf{Pl}(18, 61, 52, 61, 1, 0)_{261724} \\
\ell_{1252} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{13050625} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{13050625} = \mathbf{Pl}(18, 61, 9, 61, 1, 0)_{259015} \\
\ell_{1253} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{5859329} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{5859329} = \mathbf{Pl}(18, 61, 47, 61, 1, 0)_{261409} \\
\ell_{1254} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{10656065} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{10656065} = \mathbf{Pl}(18, 61, 18, 61, 1, 0)_{259582} \\
\ell_{1255} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{12253057} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{12253057} = \mathbf{Pl}(18, 61, 2, 61, 1, 0)_{258574} \\
\ell_{1256} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{2929665} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{2929665} = \mathbf{Pl}(18, 61, 63, 61, 1, 0)_{262417} \\
\ell_{1257} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{3732225} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{3732225} = \mathbf{Pl}(18, 61, 25, 61, 1, 0)_{260023} \\
\ell_{1258} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{5329025} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{5329025} = \mathbf{Pl}(18, 61, 36, 61, 1, 0)_{260716} \\
\ell_{1259} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{9324225} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{9324225} = \mathbf{Pl}(18, 61, 57, 61, 1, 0)_{262039} \\
\ell_{1260} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{6126529} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{6126529} = \mathbf{Pl}(18, 61, 4, 61, 1, 0)_{258700} \\
\ell_{1261} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{14648129} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{14648129} = \mathbf{Pl}(18, 61, 34, 61, 1, 0)_{260590} \\
\ell_{1262} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{14117313} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{14117313} = \mathbf{Pl}(18, 61, 31, 61, 1, 0)_{260401} \\
\ell_{1263} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{4528513} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{4528513} = \mathbf{Pl}(18, 61, 15, 61, 1, 0)_{259393} \\
\ell_{1264} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{1866113} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{1866113} = \mathbf{Pl}(18, 61, 50, 61, 1, 0)_{261598} \\
\ell_{1265} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{9589441} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{9589441} = \mathbf{Pl}(18, 61, 20, 61, 1, 0)_{259708} \\
\ell_{1266} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{2664513} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{2664513} = \mathbf{Pl}(18, 61, 41, 61, 1, 0)_{261031} \\
\ell_{1267} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{534913} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{534913} = \mathbf{Pl}(18, 61, 46, 61, 1, 0)_{261346} \\
\ell_{1268} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{8789825} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{8789825} = \mathbf{Pl}(18, 61, 19, 61, 1, 0)_{259645} \\
\ell_{1269} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{8258177} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{8258177} = \mathbf{Pl}(18, 61, 53, 61, 1, 0)_{261787}
\end{aligned}$$

$$\begin{aligned}
\ell_{1270} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{15712705} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{15712705} = \mathbf{Pl}(18, 61, 8, 61, 1, 0)_{258952} \\
\ell_{1271} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{14380673} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{14380673} = \mathbf{Pl}(18, 61, 24, 61, 1, 0)_{259960} \\
\ell_{1272} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{11451777} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{11451777} = \mathbf{Pl}(18, 61, 37, 61, 1, 0)_{260779} \\
\ell_{1273} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{13849857} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{13849857} = \mathbf{Pl}(18, 61, 3, 61, 1, 0)_{258637} \\
\ell_{1274} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{11186369} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{11186369} = \mathbf{Pl}(18, 61, 62, 61, 1, 0)_{262354} \\
\ell_{1275} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{15181889} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{15181889} = \mathbf{Pl}(18, 61, 35, 61, 1, 0)_{260653} \\
\ell_{1276} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{14916737} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{14916737} = \mathbf{Pl}(18, 61, 30, 61, 1, 0)_{260338} \\
\ell_{1277} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{7992769} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{7992769} = \mathbf{Pl}(18, 61, 56, 61, 1, 0)_{261976} \\
\ell_{1278} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{13585537} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{13585537} = \mathbf{Pl}(18, 61, 5, 61, 1, 0)_{258763} \\
\ell_{1279} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{7723777} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{7723777} = \mathbf{Pl}(18, 61, 21, 61, 1, 0)_{259771} \\
\ell_{1280} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{4795713} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{4795713} = \mathbf{Pl}(18, 61, 40, 61, 1, 0)_{260968} \\
\ell_{1281} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{6660033} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{6660033} = \mathbf{Pl}(18, 61, 14, 61, 1, 0)_{259330} \\
\ell_{1282} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{1335297} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{1335297} = \mathbf{Pl}(18, 61, 51, 61, 1, 0)_{261661} \\
\ell_{1283} &= \begin{bmatrix} 1 & \epsilon^{41} & \epsilon^{41} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7577180} = \begin{bmatrix} 1 & 28 & 28 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7577180} = \mathbf{Pl}(0, 28, 0, 28, 1, 0)_{15873} \\
\ell_{1284} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{16248385} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{16248385} = \mathbf{Pl}(19, 28, 29, 28, 1, 0)_{129299} \\
\ell_{1285} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{267521} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{267521} = \mathbf{Pl}(19, 28, 28, 28, 1, 0)_{129236} \\
\ell_{1286} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{12786241} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{12786241} = \mathbf{Pl}(19, 28, 56, 28, 1, 0)_{131000} \\
\ell_{1287} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{8524673} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{8524673} = \mathbf{Pl}(19, 28, 36, 28, 1, 0)_{129740} \\
\ell_{1288} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{6394113} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{6394113} = \mathbf{Pl}(19, 28, 17, 28, 1, 0)_{128543} \\
\ell_{1289} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{16778817} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{16778817} = \mathbf{Pl}(19, 28, 13, 28, 1, 0)_{128291} \\
\ell_{1290} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{4262337} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{4262337} = \mathbf{Pl}(19, 28, 41, 28, 1, 0)_{130055}
\end{aligned}$$

$$\begin{aligned}
\ell_{1291} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{11986433} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{11986433} = \mathbf{Pl}(19, 28, 53, 28, 1, 0)_{130811} \\
\ell_{1292} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{3197057} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{3197057} = \mathbf{Pl}(19, 28, 34, 28, 1, 0)_{129614} \\
\ell_{1293} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{7191809} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{7191809} = \mathbf{Pl}(19, 28, 62, 28, 1, 0)_{131378} \\
\ell_{1294} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{12517121} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{12517121} = \mathbf{Pl}(19, 28, 26, 28, 1, 0)_{129110} \\
\ell_{1295} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{9854273} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{9854273} = \mathbf{Pl}(19, 28, 6, 28, 1, 0)_{127850} \\
\ell_{1296} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{2134209} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{2134209} = \mathbf{Pl}(19, 28, 51, 28, 1, 0)_{130685} \\
\ell_{1297} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{6924545} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{6924545} = \mathbf{Pl}(19, 28, 47, 28, 1, 0)_{130433} \\
\ell_{1298} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{10121921} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{10121921} = \mathbf{Pl}(19, 28, 11, 28, 1, 0)_{128165} \\
\ell_{1299} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{5595009} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{5595009} = \mathbf{Pl}(19, 28, 23, 28, 1, 0)_{128921} \\
\ell_{1300} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{1598529} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{1598529} = \mathbf{Pl}(19, 28, 37, 28, 1, 0)_{129803} \\
\ell_{1301} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{11720961} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{11720961} = \mathbf{Pl}(19, 28, 57, 28, 1, 0)_{131063} \\
\ell_{1302} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{7456577} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{7456577} = \mathbf{Pl}(19, 28, 1, 28, 1, 0)_{127535} \\
\ell_{1303} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{10389313} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{10389313} = \mathbf{Pl}(19, 28, 52, 28, 1, 0)_{130748} \\
\ell_{1304} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{3996801} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{3996801} = \mathbf{Pl}(19, 28, 40, 28, 1, 0)_{129992} \\
\ell_{1305} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{9054849} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{9054849} = \mathbf{Pl}(19, 28, 12, 28, 1, 0)_{128228} \\
\ell_{1306} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{10918849} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{10918849} = \mathbf{Pl}(19, 28, 16, 28, 1, 0)_{128480} \\
\ell_{1307} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{1068097} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{1068097} = \mathbf{Pl}(19, 28, 7, 28, 1, 0)_{127913} \\
\ell_{1308} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{16511425} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{16511425} = \mathbf{Pl}(19, 28, 27, 28, 1, 0)_{129173} \\
\ell_{1309} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{3462273} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{3462273} = \mathbf{Pl}(19, 28, 63, 28, 1, 0)_{131441} \\
\ell_{1310} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{2399297} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{2399297} = \mathbf{Pl}(19, 28, 35, 28, 1, 0)_{129677} \\
\ell_{1311} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{5061953} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{5061953} = \mathbf{Pl}(19, 28, 22, 28, 1, 0)_{128858}
\end{aligned}$$

$$\begin{aligned}
\ell_{1312} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{15981249} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{15981249} = \mathbf{Pl}(19, 28, 10, 28, 1, 0)_{128102} \\
\ell_{1313} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{15447937} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{15447937} = \mathbf{Pl}(19, 28, 46, 28, 1, 0)_{130370} \\
\ell_{1314} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{13317185} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{13317185} = \mathbf{Pl}(19, 28, 50, 28, 1, 0)_{130622} \\
\ell_{1315} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{802305} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{802305} = \mathbf{Pl}(19, 28, 43, 28, 1, 0)_{130181} \\
\ell_{1316} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{13051585} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{13051585} = \mathbf{Pl}(19, 28, 55, 28, 1, 0)_{130937} \\
\ell_{1317} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{5860481} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{5860481} = \mathbf{Pl}(19, 28, 19, 28, 1, 0)_{128669} \\
\ell_{1318} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{10653505} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{10653505} = \mathbf{Pl}(19, 28, 15, 28, 1, 0)_{128417} \\
\ell_{1319} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{12251905} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{12251905} = \mathbf{Pl}(19, 28, 58, 28, 1, 0)_{131126} \\
\ell_{1320} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{2930241} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{2930241} = \mathbf{Pl}(19, 28, 38, 28, 1, 0)_{129866} \\
\ell_{1321} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{3731329} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{3731329} = \mathbf{Pl}(19, 28, 2, 28, 1, 0)_{127598} \\
\ell_{1322} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{5329793} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{5329793} = \mathbf{Pl}(19, 28, 30, 28, 1, 0)_{129362} \\
\ell_{1323} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{9322369} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{9322369} = \mathbf{Pl}(19, 28, 9, 28, 1, 0)_{128039} \\
\ell_{1324} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{6125953} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{6125953} = \mathbf{Pl}(19, 28, 21, 28, 1, 0)_{128795} \\
\ell_{1325} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{14648833} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{14648833} = \mathbf{Pl}(19, 28, 49, 28, 1, 0)_{130559} \\
\ell_{1326} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{14114561} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{14114561} = \mathbf{Pl}(19, 28, 45, 28, 1, 0)_{130307} \\
\ell_{1327} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{4527425} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{4527425} = \mathbf{Pl}(19, 28, 24, 28, 1, 0)_{128984} \\
\ell_{1328} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{1865665} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{1865665} = \mathbf{Pl}(19, 28, 4, 28, 1, 0)_{127724} \\
\ell_{1329} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{9587137} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{9587137} = \mathbf{Pl}(19, 28, 32, 28, 1, 0)_{129488} \\
\ell_{1330} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{2664897} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{2664897} = \mathbf{Pl}(19, 28, 60, 28, 1, 0)_{131252} \\
\ell_{1331} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{535041} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{535041} = \mathbf{Pl}(19, 28, 14, 28, 1, 0)_{128354} \\
\ell_{1332} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{8791937} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{8791937} = \mathbf{Pl}(19, 28, 18, 28, 1, 0)_{128606}
\end{aligned}$$

$$\begin{aligned}
\ell_{1333} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{8258753} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{8258753} = \mathbf{Pl}(19, 28, 54, 28, 1, 0)_{130874} \\
\ell_{1334} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{15715457} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{15715457} = \mathbf{Pl}(19, 28, 42, 28, 1, 0)_{130118} \\
\ell_{1335} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{14383617} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{14383617} = \mathbf{Pl}(19, 28, 31, 28, 1, 0)_{129425} \\
\ell_{1336} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{11453121} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{11453121} = \mathbf{Pl}(19, 28, 3, 28, 1, 0)_{127661} \\
\ell_{1337} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{13849089} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{13849089} = \mathbf{Pl}(19, 28, 39, 28, 1, 0)_{129929} \\
\ell_{1338} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{11188033} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{11188033} = \mathbf{Pl}(19, 28, 59, 28, 1, 0)_{131189} \\
\ell_{1339} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{15180417} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{15180417} = \mathbf{Pl}(19, 28, 44, 28, 1, 0)_{130244} \\
\ell_{1340} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{14913153} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{14913153} = \mathbf{Pl}(19, 28, 48, 28, 1, 0)_{130496} \\
\ell_{1341} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{7991617} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{7991617} = \mathbf{Pl}(19, 28, 20, 28, 1, 0)_{128732} \\
\ell_{1342} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{13582273} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{13582273} = \mathbf{Pl}(19, 28, 8, 28, 1, 0)_{127976} \\
\ell_{1343} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{7723969} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{7723969} = \mathbf{Pl}(19, 28, 61, 28, 1, 0)_{131315} \\
\ell_{1344} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{4796609} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{4796609} = \mathbf{Pl}(19, 28, 33, 28, 1, 0)_{129551} \\
\ell_{1345} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{6661633} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{6661633} = \mathbf{Pl}(19, 28, 5, 28, 1, 0)_{127787} \\
\ell_{1346} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{1335489} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{1335489} = \mathbf{Pl}(19, 28, 25, 28, 1, 0)_{129047} \\
\ell_{1347} &= \begin{bmatrix} 1 & \epsilon^8 & \epsilon^8 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10552295} = \begin{bmatrix} 1 & 39 & 39 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10552295} = \mathbf{Pl}(0, 39, 0, 39, 1, 0)_{17281} \\
\ell_{1348} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{3995457} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{3995457} = \mathbf{Pl}(20, 39, 38, 39, 1, 0)_{173526} \\
\ell_{1349} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{267585} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{267585} = \mathbf{Pl}(20, 39, 39, 39, 1, 0)_{173589} \\
\ell_{1350} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{12783233} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{12783233} = \mathbf{Pl}(20, 39, 47, 39, 1, 0)_{174093} \\
\ell_{1351} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{8522497} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{8522497} = \mathbf{Pl}(20, 39, 8, 39, 1, 0)_{171636} \\
\ell_{1352} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{6391617} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{6391617} = \mathbf{Pl}(20, 39, 63, 39, 1, 0)_{175101} \\
\ell_{1353} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{16777409} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{16777409} = \mathbf{Pl}(20, 39, 24, 39, 1, 0)_{172644}
\end{aligned}$$

$$\begin{aligned}
\ell_{1354} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{4261249} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{4261249} = \mathbf{Pl}(20, 39, 16, 39, 1, 0)_{172140} \\
\ell_{1355} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{11986369} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{11986369} = \mathbf{Pl}(20, 39, 55, 39, 1, 0)_{174597} \\
\ell_{1356} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{3198849} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{3198849} = \mathbf{Pl}(20, 39, 31, 39, 1, 0)_{173085} \\
\ell_{1357} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{7193857} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{7193857} = \mathbf{Pl}(20, 39, 56, 39, 1, 0)_{174660} \\
\ell_{1358} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{12516417} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{12516417} = \mathbf{Pl}(20, 39, 48, 39, 1, 0)_{174156} \\
\ell_{1359} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{9855873} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{9855873} = \mathbf{Pl}(20, 39, 23, 39, 1, 0)_{172581} \\
\ell_{1360} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{2130625} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{2130625} = \mathbf{Pl}(20, 39, 32, 39, 1, 0)_{173148} \\
\ell_{1361} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{6926785} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{6926785} = \mathbf{Pl}(20, 39, 7, 39, 1, 0)_{171573} \\
\ell_{1362} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{10120897} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{10120897} = \mathbf{Pl}(20, 39, 15, 39, 1, 0)_{172077} \\
\ell_{1363} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{5594625} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{5594625} = \mathbf{Pl}(20, 39, 40, 39, 1, 0)_{173652} \\
\ell_{1364} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{1599425} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{1599425} = \mathbf{Pl}(20, 39, 62, 39, 1, 0)_{175038} \\
\ell_{1365} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{11721345} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{11721345} = \mathbf{Pl}(20, 39, 25, 39, 1, 0)_{172707} \\
\ell_{1366} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{16247361} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{16247361} = \mathbf{Pl}(20, 39, 17, 39, 1, 0)_{172203} \\
\ell_{1367} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{7459841} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{7459841} = \mathbf{Pl}(20, 39, 54, 39, 1, 0)_{174534} \\
\ell_{1368} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{10385921} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{10385921} = \mathbf{Pl}(20, 39, 1, 39, 1, 0)_{171195} \\
\ell_{1369} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{9056641} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{9056641} = \mathbf{Pl}(20, 39, 46, 39, 1, 0)_{174030} \\
\ell_{1370} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{10920193} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{10920193} = \mathbf{Pl}(20, 39, 9, 39, 1, 0)_{171699} \\
\ell_{1371} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{1068353} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{1068353} = \mathbf{Pl}(20, 39, 33, 39, 1, 0)_{173211} \\
\ell_{1372} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{16511873} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{16511873} = \mathbf{Pl}(20, 39, 6, 39, 1, 0)_{171510} \\
\ell_{1373} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{3464385} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{3464385} = \mathbf{Pl}(20, 39, 14, 39, 1, 0)_{172014} \\
\ell_{1374} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{2398209} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{2398209} = \mathbf{Pl}(20, 39, 41, 39, 1, 0)_{173715}
\end{aligned}$$

$$\begin{aligned}
\ell_{1375} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{5063489} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{5063489} = \mathbf{Pl}(20, 39, 30, 39, 1, 0)_{173022} \\
\ell_{1376} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{15981825} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{15981825} = \mathbf{Pl}(20, 39, 57, 39, 1, 0)_{174723} \\
\ell_{1377} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{15447745} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{15447745} = \mathbf{Pl}(20, 39, 49, 39, 1, 0)_{174219} \\
\ell_{1378} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{13317377} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{13317377} = \mathbf{Pl}(20, 39, 22, 39, 1, 0)_{172518} \\
\ell_{1379} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{802753} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{802753} = \mathbf{Pl}(20, 39, 29, 39, 1, 0)_{172959} \\
\ell_{1380} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{13050817} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{13050817} = \mathbf{Pl}(20, 39, 58, 39, 1, 0)_{174786} \\
\ell_{1381} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{5860673} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{5860673} = \mathbf{Pl}(20, 39, 50, 39, 1, 0)_{174282} \\
\ell_{1382} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{10653121} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{10653121} = \mathbf{Pl}(20, 39, 21, 39, 1, 0)_{172455} \\
\ell_{1383} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{12251393} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{12251393} = \mathbf{Pl}(20, 39, 34, 39, 1, 0)_{173274} \\
\ell_{1384} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{2933377} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{2933377} = \mathbf{Pl}(20, 39, 5, 39, 1, 0)_{171447} \\
\ell_{1385} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{3729921} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{3729921} = \mathbf{Pl}(20, 39, 13, 39, 1, 0)_{171951} \\
\ell_{1386} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{5329601} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{5329601} = \mathbf{Pl}(20, 39, 42, 39, 1, 0)_{173778} \\
\ell_{1387} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{9323713} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{9323713} = \mathbf{Pl}(20, 39, 2, 39, 1, 0)_{171258} \\
\ell_{1388} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{6125697} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{6125697} = \mathbf{Pl}(20, 39, 37, 39, 1, 0)_{173463} \\
\ell_{1389} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{14647169} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{14647169} = \mathbf{Pl}(20, 39, 45, 39, 1, 0)_{173967} \\
\ell_{1390} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{14117121} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{14117121} = \mathbf{Pl}(20, 39, 10, 39, 1, 0)_{171762} \\
\ell_{1391} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{4528321} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{4528321} = \mathbf{Pl}(20, 39, 61, 39, 1, 0)_{174975} \\
\ell_{1392} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{1864961} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{1864961} = \mathbf{Pl}(20, 39, 26, 39, 1, 0)_{172770} \\
\ell_{1393} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{9590849} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{9590849} = \mathbf{Pl}(20, 39, 18, 39, 1, 0)_{172266} \\
\ell_{1394} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{2665793} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{2665793} = \mathbf{Pl}(20, 39, 53, 39, 1, 0)_{174471} \\
\ell_{1395} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{535169} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{535169} = \mathbf{Pl}(20, 39, 35, 39, 1, 0)_{173337}
\end{aligned}$$

$$\begin{aligned}
\ell_{1396} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{8789569} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{8789569} = \mathbf{Pl}(20, 39, 4, 39, 1, 0)_{171384} \\
\ell_{1397} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{8255937} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{8255937} = \mathbf{Pl}(20, 39, 12, 39, 1, 0)_{171888} \\
\ell_{1398} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{15715329} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{15715329} = \mathbf{Pl}(20, 39, 43, 39, 1, 0)_{173841} \\
\ell_{1399} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{14381633} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{14381633} = \mathbf{Pl}(20, 39, 28, 39, 1, 0)_{172896} \\
\ell_{1400} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{11454337} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{11454337} = \mathbf{Pl}(20, 39, 59, 39, 1, 0)_{174849} \\
\ell_{1401} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{13851585} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{13851585} = \mathbf{Pl}(20, 39, 51, 39, 1, 0)_{174345} \\
\ell_{1402} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{11187265} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{11187265} = \mathbf{Pl}(20, 39, 20, 39, 1, 0)_{172392} \\
\ell_{1403} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{15181185} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{15181185} = \mathbf{Pl}(20, 39, 60, 39, 1, 0)_{174912} \\
\ell_{1404} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{14913601} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{14913601} = \mathbf{Pl}(20, 39, 27, 39, 1, 0)_{172833} \\
\ell_{1405} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{7990913} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{7990913} = \mathbf{Pl}(20, 39, 19, 39, 1, 0)_{172329} \\
\ell_{1406} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{13584961} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{13584961} = \mathbf{Pl}(20, 39, 52, 39, 1, 0)_{174408} \\
\ell_{1407} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{7724865} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{7724865} = \mathbf{Pl}(20, 39, 3, 39, 1, 0)_{171321} \\
\ell_{1408} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{4796417} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{4796417} = \mathbf{Pl}(20, 39, 36, 39, 1, 0)_{173400} \\
\ell_{1409} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{6658689} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{6658689} = \mathbf{Pl}(20, 39, 44, 39, 1, 0)_{173904} \\
\ell_{1410} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{1333889} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{1333889} = \mathbf{Pl}(20, 39, 11, 39, 1, 0)_{171825} \\
\ell_{1411} &= \begin{bmatrix} 1 & \epsilon^{48} & \epsilon^{48} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4061135} = \begin{bmatrix} 1 & 15 & 15 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4061135} = \mathbf{Pl}(0, 15, 0, 15, 1, 0)_{14209} \\
\ell_{1412} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{10388289} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{10388289} = \mathbf{Pl}(21, 15, 14, 15, 1, 0)_{76759} \\
\ell_{1413} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{267649} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{267649} = \mathbf{Pl}(21, 15, 15, 15, 1, 0)_{76822} \\
\ell_{1414} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{12786305} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{12786305} = \mathbf{Pl}(21, 15, 30, 15, 1, 0)_{77767} \\
\ell_{1415} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{8524545} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{8524545} = \mathbf{Pl}(21, 15, 17, 15, 1, 0)_{76948} \\
\ell_{1416} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{6393153} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{6393153} = \mathbf{Pl}(21, 15, 60, 15, 1, 0)_{79657}
\end{aligned}$$

$$\begin{aligned}
\ell_{1417} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{16780929} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{16780929} = \mathbf{PI}(21, 15, 51, 15, 1, 0)_{79090} \\
\ell_{1418} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{4262273} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{4262273} = \mathbf{PI}(21, 15, 34, 15, 1, 0)_{78019} \\
\ell_{1419} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{11984129} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{11984129} = \mathbf{PI}(21, 15, 45, 15, 1, 0)_{78712} \\
\ell_{1420} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{3199617} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{3199617} = \mathbf{PI}(21, 15, 25, 15, 1, 0)_{77452} \\
\ell_{1421} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{7192385} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{7192385} = \mathbf{PI}(21, 15, 22, 15, 1, 0)_{77263} \\
\ell_{1422} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{12519169} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{12519169} = \mathbf{PI}(21, 15, 7, 15, 1, 0)_{76318} \\
\ell_{1423} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{9854017} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{9854017} = \mathbf{PI}(21, 15, 8, 15, 1, 0)_{76381} \\
\ell_{1424} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{2131137} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{2131137} = \mathbf{PI}(21, 15, 37, 15, 1, 0)_{78208} \\
\ell_{1425} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{6927425} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{6927425} = \mathbf{PI}(21, 15, 42, 15, 1, 0)_{78523} \\
\ell_{1426} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{10122817} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{10122817} = \mathbf{PI}(21, 15, 59, 15, 1, 0)_{79594} \\
\ell_{1427} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{5595841} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{5595841} = \mathbf{PI}(21, 15, 52, 15, 1, 0)_{79153} \\
\ell_{1428} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{1599809} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{1599809} = \mathbf{PI}(21, 15, 50, 15, 1, 0)_{79027} \\
\ell_{1429} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{11718529} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{11718529} = \mathbf{PI}(21, 15, 61, 15, 1, 0)_{79720} \\
\ell_{1430} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{16245633} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{16245633} = \mathbf{PI}(21, 15, 44, 15, 1, 0)_{78649} \\
\ell_{1431} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{7459073} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{7459073} = \mathbf{PI}(21, 15, 35, 15, 1, 0)_{78082} \\
\ell_{1432} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{3994625} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{3994625} = \mathbf{PI}(21, 15, 1, 15, 1, 0)_{75940} \\
\ell_{1433} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{9054721} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{9054721} = \mathbf{PI}(21, 15, 16, 15, 1, 0)_{76885} \\
\ell_{1434} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{10921665} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{10921665} = \mathbf{PI}(21, 15, 31, 15, 1, 0)_{77830} \\
\ell_{1435} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{1068609} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{1068609} = \mathbf{PI}(21, 15, 43, 15, 1, 0)_{78586} \\
\ell_{1436} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{16513793} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{16513793} = \mathbf{PI}(21, 15, 36, 15, 1, 0)_{78145} \\
\ell_{1437} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{3464705} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{3464705} = \mathbf{PI}(21, 15, 53, 15, 1, 0)_{79216}
\end{aligned}$$

$$\begin{aligned}
\ell_{1438} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{2398657} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{2398657} = \mathbf{Pl}(21, 15, 58, 15, 1, 0)_{79531} \\
\ell_{1439} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{5062401} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{5062401} = \mathbf{Pl}(21, 15, 23, 15, 1, 0)_{77326} \\
\ell_{1440} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{15978497} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{15978497} = \mathbf{Pl}(21, 15, 24, 15, 1, 0)_{77389} \\
\ell_{1441} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{15447361} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{15447361} = \mathbf{Pl}(21, 15, 9, 15, 1, 0)_{76444} \\
\ell_{1442} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{13316225} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{13316225} = \mathbf{Pl}(21, 15, 6, 15, 1, 0)_{76255} \\
\ell_{1443} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{802945} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{802945} = \mathbf{Pl}(21, 15, 5, 15, 1, 0)_{76192} \\
\ell_{1444} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{13051905} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{13051905} = \mathbf{Pl}(21, 15, 10, 15, 1, 0)_{76507} \\
\ell_{1445} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{5859265} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{5859265} = \mathbf{Pl}(21, 15, 27, 15, 1, 0)_{77578} \\
\ell_{1446} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{10654657} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{10654657} = \mathbf{Pl}(21, 15, 20, 15, 1, 0)_{77137} \\
\ell_{1447} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{12253569} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{12253569} = \mathbf{Pl}(21, 15, 57, 15, 1, 0)_{79468} \\
\ell_{1448} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{2932673} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{2932673} = \mathbf{Pl}(21, 15, 54, 15, 1, 0)_{79279} \\
\ell_{1449} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{3729537} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{3729537} = \mathbf{Pl}(21, 15, 39, 15, 1, 0)_{78334} \\
\ell_{1450} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{5328321} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{5328321} = \mathbf{Pl}(21, 15, 40, 15, 1, 0)_{78397} \\
\ell_{1451} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{9321857} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{9321857} = \mathbf{Pl}(21, 15, 28, 15, 1, 0)_{77641} \\
\ell_{1452} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{6126785} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{6126785} = \mathbf{Pl}(21, 15, 19, 15, 1, 0)_{77074} \\
\ell_{1453} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{14649793} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{14649793} = \mathbf{Pl}(21, 15, 2, 15, 1, 0)_{76003} \\
\ell_{1454} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{14115777} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{14115777} = \mathbf{Pl}(21, 15, 13, 15, 1, 0)_{76696} \\
\ell_{1455} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{4527361} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{4527361} = \mathbf{Pl}(21, 15, 32, 15, 1, 0)_{77893} \\
\ell_{1456} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{1864769} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{1864769} = \mathbf{Pl}(21, 15, 47, 15, 1, 0)_{78838} \\
\ell_{1457} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{9588545} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{9588545} = \mathbf{Pl}(21, 15, 62, 15, 1, 0)_{79783} \\
\ell_{1458} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{2665153} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{2665153} = \mathbf{Pl}(21, 15, 49, 15, 1, 0)_{78964}
\end{aligned}$$

$$\begin{aligned}
\ell_{1459} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{535297} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{535297} = \mathbf{PI}(21, 15, 55, 15, 1, 0)_{79342} \\
\ell_{1460} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{8791681} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{8791681} = \mathbf{PI}(21, 15, 56, 15, 1, 0)_{79405} \\
\ell_{1461} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{8256897} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{8256897} = \mathbf{PI}(21, 15, 41, 15, 1, 0)_{78460} \\
\ell_{1462} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{15712833} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{15712833} = \mathbf{PI}(21, 15, 38, 15, 1, 0)_{78271} \\
\ell_{1463} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{14382785} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{14382785} = \mathbf{PI}(21, 15, 11, 15, 1, 0)_{76570} \\
\ell_{1464} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{11452609} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{11452609} = \mathbf{PI}(21, 15, 4, 15, 1, 0)_{76129} \\
\ell_{1465} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{13848769} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{13848769} = \mathbf{PI}(21, 15, 21, 15, 1, 0)_{77200} \\
\ell_{1466} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{11185601} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{11185601} = \mathbf{PI}(21, 15, 26, 15, 1, 0)_{77515} \\
\ell_{1467} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{15181633} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{15181633} = \mathbf{PI}(21, 15, 46, 15, 1, 0)_{78775} \\
\ell_{1468} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{14916161} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{14916161} = \mathbf{PI}(21, 15, 33, 15, 1, 0)_{77956} \\
\ell_{1469} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{7989249} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{7989249} = \mathbf{PI}(21, 15, 48, 15, 1, 0)_{78901} \\
\ell_{1470} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{13581825} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{13581825} = \mathbf{PI}(21, 15, 63, 15, 1, 0)_{79846} \\
\ell_{1471} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{7726721} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{7726721} = \mathbf{PI}(21, 15, 18, 15, 1, 0)_{77011} \\
\ell_{1472} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{4797313} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{4797313} = \mathbf{PI}(21, 15, 29, 15, 1, 0)_{77704} \\
\ell_{1473} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{6658113} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{6658113} = \mathbf{PI}(21, 15, 12, 15, 1, 0)_{76633} \\
\ell_{1474} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{1333569} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{1333569} = \mathbf{PI}(21, 15, 3, 15, 1, 0)_{76066} \\
\ell_{1475} &= \begin{bmatrix} 1 & \epsilon^{44} & \epsilon^{44} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9199970} = \begin{bmatrix} 1 & 34 & 34 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9199970} = \mathbf{PI}(0, 34, 0, 34, 1, 0)_{16641} \\
\ell_{1476} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{10921025} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{10921025} = \mathbf{PI}(22, 34, 35, 34, 1, 0)_{153494} \\
\ell_{1477} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{267713} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{267713} = \mathbf{PI}(22, 34, 34, 34, 1, 0)_{153431} \\
\ell_{1478} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{12783297} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{12783297} = \mathbf{PI}(22, 34, 37, 34, 1, 0)_{153620} \\
\ell_{1479} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{8524609} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{8524609} = \mathbf{PI}(22, 34, 7, 34, 1, 0)_{151730}
\end{aligned}$$

$$\begin{aligned}
\ell_{1480} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{6394689} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{6394689} = \mathbf{Pl}(22, 34, 43, 34, 1, 0)_{153998} \\
\ell_{1481} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{16778881} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{16778881} = \mathbf{Pl}(22, 34, 9, 34, 1, 0)_{151856} \\
\ell_{1482} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{4263297} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{4263297} = \mathbf{Pl}(22, 34, 14, 34, 1, 0)_{152171} \\
\ell_{1483} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{11984769} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{11984769} = \mathbf{Pl}(22, 34, 44, 34, 1, 0)_{154061} \\
\ell_{1484} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{3198337} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{3198337} = \mathbf{Pl}(22, 34, 55, 34, 1, 0)_{154754} \\
\ell_{1485} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{7191169} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{7191169} = \mathbf{Pl}(22, 34, 21, 34, 1, 0)_{152612} \\
\ell_{1486} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{12520193} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{12520193} = \mathbf{Pl}(22, 34, 18, 34, 1, 0)_{152423} \\
\ell_{1487} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{9853377} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{9853377} = \mathbf{Pl}(22, 34, 48, 34, 1, 0)_{154313} \\
\ell_{1488} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{2131649} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{2131649} = \mathbf{Pl}(22, 34, 28, 34, 1, 0)_{153053} \\
\ell_{1489} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{6925505} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{6925505} = \mathbf{Pl}(22, 34, 62, 34, 1, 0)_{155195} \\
\ell_{1490} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{10123137} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{10123137} = \mathbf{Pl}(22, 34, 57, 34, 1, 0)_{154880} \\
\ell_{1491} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{5592961} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{5592961} = \mathbf{Pl}(22, 34, 27, 34, 1, 0)_{152990} \\
\ell_{1492} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{1599169} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{1599169} = \mathbf{Pl}(22, 34, 15, 34, 1, 0)_{152234} \\
\ell_{1493} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{11717825} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{11717825} = \mathbf{Pl}(22, 34, 45, 34, 1, 0)_{154124} \\
\ell_{1494} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{16248065} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{16248065} = \mathbf{Pl}(22, 34, 42, 34, 1, 0)_{153935} \\
\ell_{1495} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{7457281} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{7457281} = \mathbf{Pl}(22, 34, 8, 34, 1, 0)_{151793} \\
\ell_{1496} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{10388801} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{10388801} = \mathbf{Pl}(22, 34, 36, 34, 1, 0)_{153557} \\
\ell_{1497} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{3995585} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{3995585} = \mathbf{Pl}(22, 34, 6, 34, 1, 0)_{151667} \\
\ell_{1498} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{9054401} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{9054401} = \mathbf{Pl}(22, 34, 1, 34, 1, 0)_{151352} \\
\ell_{1499} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{1068865} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{1068865} = \mathbf{Pl}(22, 34, 56, 34, 1, 0)_{154817} \\
\ell_{1500} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{16511681} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{16511681} = \mathbf{Pl}(22, 34, 26, 34, 1, 0)_{152927}
\end{aligned}$$

$$\begin{aligned}
\ell_{1501} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{3465793} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{3465793} = \mathbf{Pl}(22, 34, 29, 34, 1, 0)_{153116} \\
\ell_{1502} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{2397057} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{2397057} = \mathbf{Pl}(22, 34, 63, 34, 1, 0)_{155258} \\
\ell_{1503} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{5061569} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{5061569} = \mathbf{Pl}(22, 34, 19, 34, 1, 0)_{152486} \\
\ell_{1504} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{15980353} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{15980353} = \mathbf{Pl}(22, 34, 49, 34, 1, 0)_{154376} \\
\ell_{1505} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{15448961} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{15448961} = \mathbf{Pl}(22, 34, 54, 34, 1, 0)_{154691} \\
\ell_{1506} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{13317697} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{13317697} = \mathbf{Pl}(22, 34, 20, 34, 1, 0)_{152549} \\
\ell_{1507} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{802625} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{802625} = \mathbf{Pl}(22, 34, 30, 34, 1, 0)_{153179} \\
\ell_{1508} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{13050753} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{13050753} = \mathbf{Pl}(22, 34, 60, 34, 1, 0)_{155069} \\
\ell_{1509} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{5861953} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{5861953} = \mathbf{Pl}(22, 34, 59, 34, 1, 0)_{155006} \\
\ell_{1510} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{10656129} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{10656129} = \mathbf{Pl}(22, 34, 25, 34, 1, 0)_{152864} \\
\ell_{1511} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{12252737} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{12252737} = \mathbf{Pl}(22, 34, 53, 34, 1, 0)_{154628} \\
\ell_{1512} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{2931969} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{2931969} = \mathbf{Pl}(22, 34, 23, 34, 1, 0)_{152738} \\
\ell_{1513} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{3728641} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{3728641} = \mathbf{Pl}(22, 34, 16, 34, 1, 0)_{152297} \\
\ell_{1514} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{5328065} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{5328065} = \mathbf{Pl}(22, 34, 50, 34, 1, 0)_{154439} \\
\ell_{1515} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{9322113} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{9322113} = \mathbf{Pl}(22, 34, 41, 34, 1, 0)_{153872} \\
\ell_{1516} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{6127361} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{6127361} = \mathbf{Pl}(22, 34, 11, 34, 1, 0)_{151982} \\
\ell_{1517} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{14647233} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{14647233} = \mathbf{Pl}(22, 34, 12, 34, 1, 0)_{152045} \\
\ell_{1518} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{14116417} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{14116417} = \mathbf{Pl}(22, 34, 46, 34, 1, 0)_{154187} \\
\ell_{1519} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{4530241} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{4530241} = \mathbf{Pl}(22, 34, 2, 34, 1, 0)_{151415} \\
\ell_{1520} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{1864321} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{1864321} = \mathbf{Pl}(22, 34, 32, 34, 1, 0)_{153305} \\
\ell_{1521} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{9588225} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{9588225} = \mathbf{Pl}(22, 34, 39, 34, 1, 0)_{153746}
\end{aligned}$$

$$\begin{aligned}
\ell_{1522} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{2667073} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{2667073} = \mathbf{Pl}(22, 34, 5, 34, 1, 0)_{151604} \\
\ell_{1523} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{535425} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{535425} = \mathbf{Pl}(22, 34, 17, 34, 1, 0)_{152360} \\
\ell_{1524} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{8791809} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{8791809} = \mathbf{Pl}(22, 34, 51, 34, 1, 0)_{154502} \\
\ell_{1525} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{8258881} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{8258881} = \mathbf{Pl}(22, 34, 52, 34, 1, 0)_{154565} \\
\ell_{1526} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{15714113} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{15714113} = \mathbf{Pl}(22, 34, 22, 34, 1, 0)_{152675} \\
\ell_{1527} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{14382337} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{14382337} = \mathbf{Pl}(22, 34, 58, 34, 1, 0)_{154943} \\
\ell_{1528} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{11451329} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{11451329} = \mathbf{Pl}(22, 34, 24, 34, 1, 0)_{152801} \\
\ell_{1529} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{13851009} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{13851009} = \mathbf{Pl}(22, 34, 31, 34, 1, 0)_{153242} \\
\ell_{1530} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{11185921} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{11185921} = \mathbf{Pl}(22, 34, 61, 34, 1, 0)_{155132} \\
\ell_{1531} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{15180225} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{15180225} = \mathbf{Pl}(22, 34, 38, 34, 1, 0)_{153683} \\
\ell_{1532} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{14914561} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{14914561} = \mathbf{Pl}(22, 34, 4, 34, 1, 0)_{151541} \\
\ell_{1533} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{7991169} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{7991169} = \mathbf{Pl}(22, 34, 3, 34, 1, 0)_{151478} \\
\ell_{1534} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{13584641} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{13584641} = \mathbf{Pl}(22, 34, 33, 34, 1, 0)_{153368} \\
\ell_{1535} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{7724481} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{7724481} = \mathbf{Pl}(22, 34, 13, 34, 1, 0)_{152108} \\
\ell_{1536} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{4794113} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{4794113} = \mathbf{Pl}(22, 34, 47, 34, 1, 0)_{154250} \\
\ell_{1537} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{6659841} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{6659841} = \mathbf{Pl}(22, 34, 40, 34, 1, 0)_{153809} \\
\ell_{1538} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{1334529} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{1334529} = \mathbf{Pl}(22, 34, 10, 34, 1, 0)_{151919} \\
\ell_{1539} &= \begin{bmatrix} 1 & \epsilon^{37} & \epsilon^{37} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{11093225} = \begin{bmatrix} 1 & 41 & 41 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{11093225} = \mathbf{Pl}(0, 41, 0, 41, 1, 0)_{17537} \\
\ell_{1540} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{9056577} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{9056577} = \mathbf{Pl}(23, 41, 40, 41, 1, 0)_{181593} \\
\ell_{1541} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{267777} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{267777} = \mathbf{Pl}(23, 41, 41, 41, 1, 0)_{181656} \\
\ell_{1542} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{12786369} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{12786369} = \mathbf{Pl}(23, 41, 51, 41, 1, 0)_{182286}
\end{aligned}$$

$$\begin{aligned}
\ell_{1543} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{8522561} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{8522561} = \mathbf{Pl}(23, 41, 26, 41, 1, 0)_{180711} \\
\ell_{1544} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{6394177} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{6394177} = \mathbf{Pl}(23, 41, 7, 41, 1, 0)_{179514} \\
\ell_{1545} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{16779457} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{16779457} = \mathbf{Pl}(23, 41, 46, 41, 1, 0)_{181971} \\
\ell_{1546} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{4264321} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{4264321} = \mathbf{Pl}(23, 41, 52, 41, 1, 0)_{182349} \\
\ell_{1547} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{11987521} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{11987521} = \mathbf{Pl}(23, 41, 29, 41, 1, 0)_{180900} \\
\ell_{1548} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{3198081} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{3198081} = \mathbf{Pl}(23, 41, 14, 41, 1, 0)_{179955} \\
\ell_{1549} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{7191489} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{7191489} = \mathbf{Pl}(23, 41, 39, 41, 1, 0)_{181530} \\
\ell_{1550} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{12517441} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{12517441} = \mathbf{Pl}(23, 41, 61, 41, 1, 0)_{182916} \\
\ell_{1551} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{9855745} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{9855745} = \mathbf{Pl}(23, 41, 20, 41, 1, 0)_{180333} \\
\ell_{1552} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{2132161} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{2132161} = \mathbf{Pl}(23, 41, 9, 41, 1, 0)_{179640} \\
\ell_{1553} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{6924097} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{6924097} = \mathbf{Pl}(23, 41, 32, 41, 1, 0)_{181089} \\
\ell_{1554} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{10121473} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{10121473} = \mathbf{Pl}(23, 41, 58, 41, 1, 0)_{182727} \\
\ell_{1555} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{5594177} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{5594177} = \mathbf{Pl}(23, 41, 19, 41, 1, 0)_{180270} \\
\ell_{1556} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{1599041} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{1599041} = \mathbf{Pl}(23, 41, 28, 41, 1, 0)_{180837} \\
\ell_{1557} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{11720129} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{11720129} = \mathbf{Pl}(23, 41, 53, 41, 1, 0)_{182412} \\
\ell_{1558} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{16245185} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{16245185} = \mathbf{Pl}(23, 41, 47, 41, 1, 0)_{182034} \\
\ell_{1559} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{7457537} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{7457537} = \mathbf{Pl}(23, 41, 6, 41, 1, 0)_{179451} \\
\ell_{1560} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{10386433} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{10386433} = \mathbf{Pl}(23, 41, 27, 41, 1, 0)_{180774} \\
\ell_{1561} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{3996545} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{3996545} = \mathbf{Pl}(23, 41, 50, 41, 1, 0)_{182223} \\
\ell_{1562} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{10918529} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{10918529} = \mathbf{Pl}(23, 41, 1, 41, 1, 0)_{179136} \\
\ell_{1563} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{1069121} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{1069121} = \mathbf{Pl}(23, 41, 18, 41, 1, 0)_{180207}
\end{aligned}$$

$$\begin{aligned}
\ell_{1564} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{16514113} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{16514113} = \mathbf{Pl}(23, 41, 59, 41, 1, 0)_{182790} \\
\ell_{1565} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{3465089} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{3465089} = \mathbf{Pl}(23, 41, 33, 41, 1, 0)_{181152} \\
\ell_{1566} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{2397505} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{2397505} = \mathbf{Pl}(23, 41, 8, 41, 1, 0)_{179577} \\
\ell_{1567} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{5060737} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{5060737} = \mathbf{Pl}(23, 41, 21, 41, 1, 0)_{180396} \\
\ell_{1568} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{15980097} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{15980097} = \mathbf{Pl}(23, 41, 60, 41, 1, 0)_{182853} \\
\ell_{1569} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{15446529} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{15446529} = \mathbf{Pl}(23, 41, 38, 41, 1, 0)_{181467} \\
\ell_{1570} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{13316545} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{13316545} = \mathbf{Pl}(23, 41, 15, 41, 1, 0)_{180018} \\
\ell_{1571} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{802561} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{802561} = \mathbf{Pl}(23, 41, 56, 41, 1, 0)_{182601} \\
\ell_{1572} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{13051713} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{13051713} = \mathbf{Pl}(23, 41, 17, 41, 1, 0)_{180144} \\
\ell_{1573} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{5861057} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{5861057} = \mathbf{Pl}(23, 41, 11, 41, 1, 0)_{179766} \\
\ell_{1574} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{10653569} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{10653569} = \mathbf{Pl}(23, 41, 34, 41, 1, 0)_{181215} \\
\ell_{1575} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{12250305} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{12250305} = \mathbf{Pl}(23, 41, 63, 41, 1, 0)_{183042} \\
\ell_{1576} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{2931521} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{2931521} = \mathbf{Pl}(23, 41, 22, 41, 1, 0)_{180459} \\
\ell_{1577} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{3728769} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{3728769} = \mathbf{Pl}(23, 41, 12, 41, 1, 0)_{179829} \\
\ell_{1578} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{5326785} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{5326785} = \mathbf{Pl}(23, 41, 37, 41, 1, 0)_{181404} \\
\ell_{1579} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{9323969} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{9323969} = \mathbf{Pl}(23, 41, 54, 41, 1, 0)_{182475} \\
\ell_{1580} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{6128193} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{6128193} = \mathbf{Pl}(23, 41, 31, 41, 1, 0)_{181026} \\
\ell_{1581} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{14650753} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{14650753} = \mathbf{Pl}(23, 41, 5, 41, 1, 0)_{179388} \\
\ell_{1582} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{14115201} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{14115201} = \mathbf{Pl}(23, 41, 44, 41, 1, 0)_{181845} \\
\ell_{1583} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{4529281} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{4529281} = \mathbf{Pl}(23, 41, 49, 41, 1, 0)_{182160} \\
\ell_{1584} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{1864385} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{1864385} = \mathbf{Pl}(23, 41, 24, 41, 1, 0)_{180585}
\end{aligned}$$

$$\begin{aligned}
\ell_{1585} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{9590017} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{9590017} = \mathbf{Pl}(23, 41, 2, 41, 1, 0)_{179199} \\
\ell_{1586} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{2666433} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{2666433} = \mathbf{Pl}(23, 41, 43, 41, 1, 0)_{181782} \\
\ell_{1587} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{535553} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{535553} = \mathbf{Pl}(23, 41, 36, 41, 1, 0)_{181341} \\
\ell_{1588} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{8789697} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{8789697} = \mathbf{Pl}(23, 41, 13, 41, 1, 0)_{179892} \\
\ell_{1589} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{8258049} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{8258049} = \mathbf{Pl}(23, 41, 23, 41, 1, 0)_{180522} \\
\ell_{1590} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{15713537} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{15713537} = \mathbf{Pl}(23, 41, 62, 41, 1, 0)_{182979} \\
\ell_{1591} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{14382977} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{14382977} = \mathbf{Pl}(23, 41, 35, 41, 1, 0)_{181278} \\
\ell_{1592} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{11454081} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{11454081} = \mathbf{Pl}(23, 41, 10, 41, 1, 0)_{179703} \\
\ell_{1593} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{13848193} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{13848193} = \mathbf{Pl}(23, 41, 16, 41, 1, 0)_{180081} \\
\ell_{1594} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{11188353} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{11188353} = \mathbf{Pl}(23, 41, 57, 41, 1, 0)_{182664} \\
\ell_{1595} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{15182849} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{15182849} = \mathbf{Pl}(23, 41, 42, 41, 1, 0)_{181719} \\
\ell_{1596} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{14915073} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{14915073} = \mathbf{Pl}(23, 41, 3, 41, 1, 0)_{179262} \\
\ell_{1597} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{7993089} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{7993089} = \mathbf{Pl}(23, 41, 25, 41, 1, 0)_{180648} \\
\ell_{1598} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{13581633} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{13581633} = \mathbf{Pl}(23, 41, 48, 41, 1, 0)_{182097} \\
\ell_{1599} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{7723265} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{7723265} = \mathbf{Pl}(23, 41, 45, 41, 1, 0)_{181908} \\
\ell_{1600} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{4795009} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{4795009} = \mathbf{Pl}(23, 41, 4, 41, 1, 0)_{179325} \\
\ell_{1601} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{6661313} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{6661313} = \mathbf{Pl}(23, 41, 30, 41, 1, 0)_{180963} \\
\ell_{1602} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{1334209} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{1334209} = \mathbf{Pl}(23, 41, 55, 41, 1, 0)_{182538} \\
\ell_{1603} &= \begin{bmatrix} 1 & \epsilon^2 & \epsilon^2 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1086020} = \begin{bmatrix} 1 & 4 & 4 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1086020} = \mathbf{Pl}(0, 4, 0, 4, 1, 0)_{12801} \\
\ell_{1604} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{16514881} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{16514881} = \mathbf{Pl}(24, 4, 5, 4, 1, 0)_{32536} \\
\ell_{1605} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{267841} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{267841} = \mathbf{Pl}(24, 4, 4, 4, 1, 0)_{32473}
\end{aligned}$$

$$\begin{aligned}
\ell_{1606} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{12783361} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{12783361} = \mathbf{Pl}(24, 4, 8, 4, 1, 0)_{32725} \\
\ell_{1607} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{8522241} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{8522241} = \mathbf{Pl}(24, 4, 12, 4, 1, 0)_{32977} \\
\ell_{1608} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{6391681} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{6391681} = \mathbf{Pl}(24, 4, 16, 4, 1, 0)_{33229} \\
\ell_{1609} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{16779649} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{16779649} = \mathbf{Pl}(24, 4, 20, 4, 1, 0)_{33481} \\
\ell_{1610} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{4261121} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{4261121} = \mathbf{Pl}(24, 4, 24, 4, 1, 0)_{33733} \\
\ell_{1611} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{11984897} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{11984897} = \mathbf{Pl}(24, 4, 28, 4, 1, 0)_{33985} \\
\ell_{1612} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{3195841} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{3195841} = \mathbf{Pl}(24, 4, 32, 4, 1, 0)_{34237} \\
\ell_{1613} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{7193153} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{7193153} = \mathbf{Pl}(24, 4, 36, 4, 1, 0)_{34489} \\
\ell_{1614} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{12518529} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{12518529} = \mathbf{Pl}(24, 4, 40, 4, 1, 0)_{34741} \\
\ell_{1615} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{9854337} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{9854337} = \mathbf{Pl}(24, 4, 44, 4, 1, 0)_{34993} \\
\ell_{1616} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{2130561} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{2130561} = \mathbf{Pl}(24, 4, 48, 4, 1, 0)_{35245} \\
\ell_{1617} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{6927361} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{6927361} = \mathbf{Pl}(24, 4, 52, 4, 1, 0)_{35497} \\
\ell_{1618} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{10123201} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{10123201} = \mathbf{Pl}(24, 4, 56, 4, 1, 0)_{35749} \\
\ell_{1619} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{5594241} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{5594241} = \mathbf{Pl}(24, 4, 60, 4, 1, 0)_{36001} \\
\ell_{1620} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{1600961} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{1600961} = \mathbf{Pl}(24, 4, 33, 4, 1, 0)_{34300} \\
\ell_{1621} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{11718081} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{11718081} = \mathbf{Pl}(24, 4, 37, 4, 1, 0)_{34552} \\
\ell_{1622} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{16246017} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{16246017} = \mathbf{Pl}(24, 4, 41, 4, 1, 0)_{34804} \\
\ell_{1623} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{7456961} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{7456961} = \mathbf{Pl}(24, 4, 45, 4, 1, 0)_{35056} \\
\ell_{1624} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{10387969} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{10387969} = \mathbf{Pl}(24, 4, 49, 4, 1, 0)_{35308} \\
\ell_{1625} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{3997313} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{3997313} = \mathbf{Pl}(24, 4, 53, 4, 1, 0)_{35560} \\
\ell_{1626} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{9057921} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{9057921} = \mathbf{Pl}(24, 4, 57, 4, 1, 0)_{35812}
\end{aligned}$$

$$\begin{aligned}
\ell_{1627} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{10919617} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{10919617} = \mathbf{Pl}(24, 4, 61, 4, 1, 0)_{36064} \\
\ell_{1628} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{1065281} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{1065281} = \mathbf{Pl}(24, 4, 1, 4, 1, 0)_{32284} \\
\ell_{1629} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{3463681} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{3463681} = \mathbf{Pl}(24, 4, 9, 4, 1, 0)_{32788} \\
\ell_{1630} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{2398401} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{2398401} = \mathbf{Pl}(24, 4, 13, 4, 1, 0)_{33040} \\
\ell_{1631} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{5062593} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{5062593} = \mathbf{Pl}(24, 4, 17, 4, 1, 0)_{33292} \\
\ell_{1632} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{15979201} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{15979201} = \mathbf{Pl}(24, 4, 21, 4, 1, 0)_{33544} \\
\ell_{1633} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{15449601} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{15449601} = \mathbf{Pl}(24, 4, 25, 4, 1, 0)_{33796} \\
\ell_{1634} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{13319041} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{13319041} = \mathbf{Pl}(24, 4, 29, 4, 1, 0)_{34048} \\
\ell_{1635} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{801473} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{801473} = \mathbf{Pl}(24, 4, 35, 4, 1, 0)_{34426} \\
\ell_{1636} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{13050177} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{13050177} = \mathbf{Pl}(24, 4, 39, 4, 1, 0)_{34678} \\
\ell_{1637} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{5862081} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{5862081} = \mathbf{Pl}(24, 4, 43, 4, 1, 0)_{34930} \\
\ell_{1638} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{10652801} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{10652801} = \mathbf{Pl}(24, 4, 47, 4, 1, 0)_{35182} \\
\ell_{1639} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{12253761} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{12253761} = \mathbf{Pl}(24, 4, 51, 4, 1, 0)_{35434} \\
\ell_{1640} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{2932033} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{2932033} = \mathbf{Pl}(24, 4, 55, 4, 1, 0)_{35686} \\
\ell_{1641} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{3731521} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{3731521} = \mathbf{Pl}(24, 4, 59, 4, 1, 0)_{35938} \\
\ell_{1642} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{5326401} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{5326401} = \mathbf{Pl}(24, 4, 63, 4, 1, 0)_{36190} \\
\ell_{1643} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{9322689} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{9322689} = \mathbf{Pl}(24, 4, 3, 4, 1, 0)_{32410} \\
\ell_{1644} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{6127873} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{6127873} = \mathbf{Pl}(24, 4, 7, 4, 1, 0)_{32662} \\
\ell_{1645} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{14649089} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{14649089} = \mathbf{Pl}(24, 4, 11, 4, 1, 0)_{32914} \\
\ell_{1646} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{14115457} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{14115457} = \mathbf{Pl}(24, 4, 15, 4, 1, 0)_{33166} \\
\ell_{1647} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{4528961} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{4528961} = \mathbf{Pl}(24, 4, 19, 4, 1, 0)_{33418}
\end{aligned}$$

$$\begin{aligned}
\ell_{1648} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{1866753} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{1866753} = \mathbf{Pl}(24, 4, 23, 4, 1, 0)_{33670} \\
\ell_{1649} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{9587521} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{9587521} = \mathbf{Pl}(24, 4, 27, 4, 1, 0)_{33922} \\
\ell_{1650} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{2666241} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{2666241} = \mathbf{Pl}(24, 4, 31, 4, 1, 0)_{34174} \\
\ell_{1651} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{535681} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{535681} = \mathbf{Pl}(24, 4, 2, 4, 1, 0)_{32347} \\
\ell_{1652} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{8789057} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{8789057} = \mathbf{Pl}(24, 4, 6, 4, 1, 0)_{32599} \\
\ell_{1653} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{8258433} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{8258433} = \mathbf{Pl}(24, 4, 10, 4, 1, 0)_{32851} \\
\ell_{1654} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{15714369} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{15714369} = \mathbf{Pl}(24, 4, 14, 4, 1, 0)_{33103} \\
\ell_{1655} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{14384321} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{14384321} = \mathbf{Pl}(24, 4, 18, 4, 1, 0)_{33355} \\
\ell_{1656} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{11453249} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{11453249} = \mathbf{Pl}(24, 4, 22, 4, 1, 0)_{33607} \\
\ell_{1657} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{13848641} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{13848641} = \mathbf{Pl}(24, 4, 26, 4, 1, 0)_{33859} \\
\ell_{1658} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{11188481} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{11188481} = \mathbf{Pl}(24, 4, 30, 4, 1, 0)_{34111} \\
\ell_{1659} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{15180737} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{15180737} = \mathbf{Pl}(24, 4, 34, 4, 1, 0)_{34363} \\
\ell_{1660} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{14913921} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{14913921} = \mathbf{Pl}(24, 4, 38, 4, 1, 0)_{34615} \\
\ell_{1661} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{7992641} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{7992641} = \mathbf{Pl}(24, 4, 42, 4, 1, 0)_{34867} \\
\ell_{1662} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{13583809} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{13583809} = \mathbf{Pl}(24, 4, 46, 4, 1, 0)_{35119} \\
\ell_{1663} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{7724801} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{7724801} = \mathbf{Pl}(24, 4, 50, 4, 1, 0)_{35371} \\
\ell_{1664} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{4796801} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{4796801} = \mathbf{Pl}(24, 4, 54, 4, 1, 0)_{35623} \\
\ell_{1665} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{6659521} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{6659521} = \mathbf{Pl}(24, 4, 58, 4, 1, 0)_{35875} \\
\ell_{1666} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{1333121} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{1333121} = \mathbf{Pl}(24, 4, 62, 4, 1, 0)_{36127} \\
\ell_{1667} &= \begin{bmatrix} 1 & \epsilon^{12} & \epsilon^{12} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{16772990} = \begin{bmatrix} 1 & 62 & 62 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{16772990} = \mathbf{Pl}(0, 62, 0, 62, 1, 0)_{20225} \\
\ell_{1668} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{1065537} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{1065537} = \mathbf{Pl}(25, 62, 63, 62, 1, 0)_{266393}
\end{aligned}$$

$$\begin{aligned}
\ell_{1669} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{267905} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{267905} = \mathbf{Pl}(25, 62, 62, 62, 1, 0)_{266330} \\
\ell_{1670} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{12786433} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{12786433} = \mathbf{Pl}(25, 62, 29, 62, 1, 0)_{264251} \\
\ell_{1671} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{8524289} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{8524289} = \mathbf{Pl}(25, 62, 35, 62, 1, 0)_{264629} \\
\ell_{1672} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{6393217} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{6393217} = \mathbf{Pl}(25, 62, 58, 62, 1, 0)_{266078} \\
\ell_{1673} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{16778689} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{16778689} = \mathbf{Pl}(25, 62, 4, 62, 1, 0)_{262676} \\
\ell_{1674} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{4262145} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{4262145} = \mathbf{Pl}(25, 62, 39, 62, 1, 0)_{264881} \\
\ell_{1675} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{11987649} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{11987649} = \mathbf{Pl}(25, 62, 25, 62, 1, 0)_{263999} \\
\ell_{1676} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{3196609} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{3196609} = \mathbf{Pl}(25, 62, 21, 62, 1, 0)_{263747} \\
\ell_{1677} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{7193601} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{7193601} = \mathbf{Pl}(25, 62, 43, 62, 1, 0)_{265133} \\
\ell_{1678} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{12517057} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{12517057} = \mathbf{Pl}(25, 62, 8, 62, 1, 0)_{262928} \\
\ell_{1679} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{9856577} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{9856577} = \mathbf{Pl}(25, 62, 54, 62, 1, 0)_{265826} \\
\ell_{1680} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{2131073} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{2131073} = \mathbf{Pl}(25, 62, 47, 62, 1, 0)_{265385} \\
\ell_{1681} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{6926721} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{6926721} = \mathbf{Pl}(25, 62, 17, 62, 1, 0)_{263495} \\
\ell_{1682} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{10121537} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{10121537} = \mathbf{Pl}(25, 62, 50, 62, 1, 0)_{265574} \\
\ell_{1683} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{5592897} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{5592897} = \mathbf{Pl}(25, 62, 12, 62, 1, 0)_{263180} \\
\ell_{1684} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{1601345} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{1601345} = \mathbf{Pl}(25, 62, 42, 62, 1, 0)_{265070} \\
\ell_{1685} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{11719873} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{11719873} = \mathbf{Pl}(25, 62, 20, 62, 1, 0)_{263684} \\
\ell_{1686} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{16247233} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{16247233} = \mathbf{Pl}(25, 62, 55, 62, 1, 0)_{265889} \\
\ell_{1687} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{7458241} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{7458241} = \mathbf{Pl}(25, 62, 9, 62, 1, 0)_{262991} \\
\ell_{1688} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{10386241} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{10386241} = \mathbf{Pl}(25, 62, 16, 62, 1, 0)_{263432} \\
\ell_{1689} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{3996865} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{3996865} = \mathbf{Pl}(25, 62, 46, 62, 1, 0)_{265322}
\end{aligned}$$

$$\begin{aligned}
\ell_{1690} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{9056001} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{9056001} = \mathbf{Pl}(25, 62, 13, 62, 1, 0)_{263243} \\
\ell_{1691} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{10922241} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{10922241} = \mathbf{Pl}(25, 62, 51, 62, 1, 0)_{265637} \\
\ell_{1692} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{16510913} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{16510913} = \mathbf{Pl}(25, 62, 1, 62, 1, 0)_{262487} \\
\ell_{1693} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{3463361} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{3463361} = \mathbf{Pl}(25, 62, 34, 62, 1, 0)_{264566} \\
\ell_{1694} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{2397953} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{2397953} = \mathbf{Pl}(25, 62, 28, 62, 1, 0)_{264188} \\
\ell_{1695} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{5063809} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{5063809} = \mathbf{Pl}(25, 62, 5, 62, 1, 0)_{262739} \\
\ell_{1696} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{15981505} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{15981505} = \mathbf{Pl}(25, 62, 59, 62, 1, 0)_{266141} \\
\ell_{1697} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{15445889} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{15445889} = \mathbf{Pl}(25, 62, 24, 62, 1, 0)_{263936} \\
\ell_{1698} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{13316097} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{13316097} = \mathbf{Pl}(25, 62, 38, 62, 1, 0)_{264818} \\
\ell_{1699} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{801665} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{801665} = \mathbf{Pl}(25, 62, 53, 62, 1, 0)_{265763} \\
\ell_{1700} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{13051265} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{13051265} = \mathbf{Pl}(25, 62, 11, 62, 1, 0)_{263117} \\
\ell_{1701} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{5860929} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{5860929} = \mathbf{Pl}(25, 62, 40, 62, 1, 0)_{264944} \\
\ell_{1702} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{10654337} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{10654337} = \mathbf{Pl}(25, 62, 22, 62, 1, 0)_{263810} \\
\ell_{1703} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{12251329} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{12251329} = \mathbf{Pl}(25, 62, 15, 62, 1, 0)_{263369} \\
\ell_{1704} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{2931457} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{2931457} = \mathbf{Pl}(25, 62, 49, 62, 1, 0)_{265511} \\
\ell_{1705} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{3732161} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{3732161} = \mathbf{Pl}(25, 62, 18, 62, 1, 0)_{263558} \\
\ell_{1706} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{5327169} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{5327169} = \mathbf{Pl}(25, 62, 44, 62, 1, 0)_{265196} \\
\ell_{1707} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{9320833} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{9320833} = \mathbf{Pl}(25, 62, 32, 62, 1, 0)_{264440} \\
\ell_{1708} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{6128705} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{6128705} = \mathbf{Pl}(25, 62, 30, 62, 1, 0)_{264314} \\
\ell_{1709} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{14647873} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{14647873} = \mathbf{Pl}(25, 62, 61, 62, 1, 0)_{266267} \\
\ell_{1710} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{14116161} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{14116161} = \mathbf{Pl}(25, 62, 3, 62, 1, 0)_{262613}
\end{aligned}$$

$$\begin{aligned}
\ell_{1711} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{4528001} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{4528001} = \mathbf{Pl}(25, 62, 26, 62, 1, 0)_{264062} \\
\ell_{1712} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{1867073} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{1867073} = \mathbf{Pl}(25, 62, 36, 62, 1, 0)_{264692} \\
\ell_{1713} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{9589825} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{9589825} = \mathbf{Pl}(25, 62, 7, 62, 1, 0)_{262865} \\
\ell_{1714} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{2666625} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{2666625} = \mathbf{Pl}(25, 62, 57, 62, 1, 0)_{266015} \\
\ell_{1715} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{535809} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{535809} = \mathbf{Pl}(25, 62, 31, 62, 1, 0)_{264377} \\
\ell_{1716} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{8791169} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{8791169} = \mathbf{Pl}(25, 62, 33, 62, 1, 0)_{264503} \\
\ell_{1717} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{8258497} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{8258497} = \mathbf{Pl}(25, 62, 2, 62, 1, 0)_{262550} \\
\ell_{1718} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{15713793} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{15713793} = \mathbf{Pl}(25, 62, 60, 62, 1, 0)_{266204} \\
\ell_{1719} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{14381121} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{14381121} = \mathbf{Pl}(25, 62, 37, 62, 1, 0)_{264755} \\
\ell_{1720} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{11451649} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{11451649} = \mathbf{Pl}(25, 62, 27, 62, 1, 0)_{264125} \\
\ell_{1721} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{13851457} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{13851457} = \mathbf{Pl}(25, 62, 56, 62, 1, 0)_{265952} \\
\ell_{1722} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{11185793} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{11185793} = \mathbf{Pl}(25, 62, 6, 62, 1, 0)_{262802} \\
\ell_{1723} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{15182337} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{15182337} = \mathbf{Pl}(25, 62, 10, 62, 1, 0)_{263054} \\
\ell_{1724} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{14916481} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{14916481} = \mathbf{Pl}(25, 62, 52, 62, 1, 0)_{265700} \\
\ell_{1725} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{7991745} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{7991745} = \mathbf{Pl}(25, 62, 23, 62, 1, 0)_{263873} \\
\ell_{1726} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{13582977} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{13582977} = \mathbf{Pl}(25, 62, 41, 62, 1, 0)_{265007} \\
\ell_{1727} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{7722945} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{7722945} = \mathbf{Pl}(25, 62, 48, 62, 1, 0)_{265448} \\
\ell_{1728} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{4795905} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{4795905} = \mathbf{Pl}(25, 62, 14, 62, 1, 0)_{263306} \\
\ell_{1729} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{6658049} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{6658049} = \mathbf{Pl}(25, 62, 45, 62, 1, 0)_{265259} \\
\ell_{1730} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{1333313} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{1333313} = \mathbf{Pl}(25, 62, 19, 62, 1, 0)_{263621} \\
\ell_{1731} &= \begin{bmatrix} 1 & \epsilon^{31} & \epsilon^{31} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{3520205} = \begin{bmatrix} 1 & 13 & 13 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{3520205} = \mathbf{Pl}(0, 13, 0, 13, 1, 0)_{13953}
\end{aligned}$$

$$\begin{aligned}
\ell_{1732} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{2397249} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{2397249} = \mathbf{Pl}(26, 13, 12, 13, 1, 0)_{68700} \\
\ell_{1733} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{267969} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{267969} = \mathbf{Pl}(26, 13, 13, 13, 1, 0)_{68763} \\
\ell_{1734} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{12783425} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{12783425} = \mathbf{Pl}(26, 13, 26, 13, 1, 0)_{69582} \\
\ell_{1735} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{8524353} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{8524353} = \mathbf{Pl}(26, 13, 23, 13, 1, 0)_{69393} \\
\ell_{1736} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{6394753} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{6394753} = \mathbf{Pl}(26, 13, 52, 13, 1, 0)_{71220} \\
\ell_{1737} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{16780737} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{16780737} = \mathbf{Pl}(26, 13, 57, 13, 1, 0)_{71535} \\
\ell_{1738} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{4263169} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{4263169} = \mathbf{Pl}(26, 13, 46, 13, 1, 0)_{70842} \\
\ell_{1739} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{11986241} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{11986241} = \mathbf{Pl}(26, 13, 35, 13, 1, 0)_{70149} \\
\ell_{1740} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{3197377} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{3197377} = \mathbf{Pl}(26, 13, 9, 13, 1, 0)_{68511} \\
\ell_{1741} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{7191745} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{7191745} = \mathbf{Pl}(26, 13, 4, 13, 1, 0)_{68196} \\
\ell_{1742} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{12518081} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{12518081} = \mathbf{Pl}(26, 13, 19, 13, 1, 0)_{69141} \\
\ell_{1743} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{9856961} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{9856961} = \mathbf{Pl}(26, 13, 30, 13, 1, 0)_{69834} \\
\ell_{1744} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{2131585} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{2131585} = \mathbf{Pl}(26, 13, 61, 13, 1, 0)_{71787} \\
\ell_{1745} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{6924033} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{6924033} = \mathbf{Pl}(26, 13, 48, 13, 1, 0)_{70968} \\
\ell_{1746} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{10120833} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{10120833} = \mathbf{Pl}(26, 13, 39, 13, 1, 0)_{70401} \\
\ell_{1747} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{5595905} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{5595905} = \mathbf{Pl}(26, 13, 42, 13, 1, 0)_{70590} \\
\ell_{1748} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{1601729} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{1601729} = \mathbf{Pl}(26, 13, 18, 13, 1, 0)_{69078} \\
\ell_{1749} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{11720577} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{11720577} = \mathbf{Pl}(26, 13, 31, 13, 1, 0)_{69897} \\
\ell_{1750} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{16245313} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{16245313} = \mathbf{Pl}(26, 13, 8, 13, 1, 0)_{68448} \\
\ell_{1751} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{7460545} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{7460545} = \mathbf{Pl}(26, 13, 5, 13, 1, 0)_{68259} \\
\ell_{1752} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{10386753} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{10386753} = \mathbf{Pl}(26, 13, 38, 13, 1, 0)_{70338}
\end{aligned}$$

$$\begin{aligned}
\ell_{1753} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{3997953} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{3997953} = \mathbf{Pl}(26, 13, 43, 13, 1, 0)_{70653} \\
\ell_{1754} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{9056193} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{9056193} = \mathbf{Pl}(26, 13, 60, 13, 1, 0)_{71724} \\
\ell_{1755} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{10920577} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{10920577} = \mathbf{Pl}(26, 13, 49, 13, 1, 0)_{71031} \\
\ell_{1756} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{1065793} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{1065793} = \mathbf{Pl}(26, 13, 27, 13, 1, 0)_{69645} \\
\ell_{1757} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{16513025} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{16513025} = \mathbf{Pl}(26, 13, 22, 13, 1, 0)_{69330} \\
\ell_{1758} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{3462017} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{3462017} = \mathbf{Pl}(26, 13, 1, 13, 1, 0)_{68007} \\
\ell_{1759} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{5060417} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{5060417} = \mathbf{Pl}(26, 13, 47, 13, 1, 0)_{70905} \\
\ell_{1760} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{15979649} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{15979649} = \mathbf{Pl}(26, 13, 34, 13, 1, 0)_{70086} \\
\ell_{1761} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{15448385} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{15448385} = \mathbf{Pl}(26, 13, 53, 13, 1, 0)_{71283} \\
\ell_{1762} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{13318849} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{13318849} = \mathbf{Pl}(26, 13, 56, 13, 1, 0)_{71472} \\
\ell_{1763} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{801857} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{801857} = \mathbf{Pl}(26, 13, 36, 13, 1, 0)_{70212} \\
\ell_{1764} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{13050369} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{13050369} = \mathbf{Pl}(26, 13, 41, 13, 1, 0)_{70527} \\
\ell_{1765} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{5860289} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{5860289} = \mathbf{Pl}(26, 13, 62, 13, 1, 0)_{71850} \\
\ell_{1766} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{10655937} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{10655937} = \mathbf{Pl}(26, 13, 51, 13, 1, 0)_{71157} \\
\ell_{1767} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{12250369} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{12250369} = \mathbf{Pl}(26, 13, 16, 13, 1, 0)_{68952} \\
\ell_{1768} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{2933185} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{2933185} = \mathbf{Pl}(26, 13, 29, 13, 1, 0)_{69771} \\
\ell_{1769} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{3731265} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{3731265} = \mathbf{Pl}(26, 13, 10, 13, 1, 0)_{68574} \\
\ell_{1770} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{5328961} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{5328961} = \mathbf{Pl}(26, 13, 7, 13, 1, 0)_{68385} \\
\ell_{1771} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{9321089} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{9321089} = \mathbf{Pl}(26, 13, 45, 13, 1, 0)_{70779} \\
\ell_{1772} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{6125185} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{6125185} = \mathbf{Pl}(26, 13, 32, 13, 1, 0)_{69960} \\
\ell_{1773} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{14649409} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{14649409} = \mathbf{Pl}(26, 13, 55, 13, 1, 0)_{71409}
\end{aligned}$$

$$\begin{aligned}
\ell_{1774} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{14116033} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{14116033} = \mathbf{Pl}(26, 13, 58, 13, 1, 0)_{71598} \\
\ell_{1775} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{4531137} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{4531137} = \mathbf{Pl}(26, 13, 25, 13, 1, 0)_{69519} \\
\ell_{1776} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{1866625} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{1866625} = \mathbf{Pl}(26, 13, 20, 13, 1, 0)_{69204} \\
\ell_{1777} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{9588993} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{9588993} = \mathbf{Pl}(26, 13, 3, 13, 1, 0)_{68133} \\
\ell_{1778} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{2665473} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{2665473} = \mathbf{Pl}(26, 13, 14, 13, 1, 0)_{68826} \\
\ell_{1779} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{535937} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{535937} = \mathbf{Pl}(26, 13, 54, 13, 1, 0)_{71346} \\
\ell_{1780} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{8791297} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{8791297} = \mathbf{Pl}(26, 13, 59, 13, 1, 0)_{71661} \\
\ell_{1781} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{8256513} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{8256513} = \mathbf{Pl}(26, 13, 44, 13, 1, 0)_{70716} \\
\ell_{1782} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{15715073} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{15715073} = \mathbf{Pl}(26, 13, 33, 13, 1, 0)_{70023} \\
\ell_{1783} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{14383489} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{14383489} = \mathbf{Pl}(26, 13, 2, 13, 1, 0)_{68070} \\
\ell_{1784} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{11452417} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{11452417} = \mathbf{Pl}(26, 13, 15, 13, 1, 0)_{68889} \\
\ell_{1785} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{13848065} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{13848065} = \mathbf{Pl}(26, 13, 24, 13, 1, 0)_{69456} \\
\ell_{1786} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{11185729} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{11185729} = \mathbf{Pl}(26, 13, 21, 13, 1, 0)_{69267} \\
\ell_{1787} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{15179649} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{15179649} = \mathbf{Pl}(26, 13, 63, 13, 1, 0)_{71913} \\
\ell_{1788} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{14915009} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{14915009} = \mathbf{Pl}(26, 13, 50, 13, 1, 0)_{71094} \\
\ell_{1789} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{7989825} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{7989825} = \mathbf{Pl}(26, 13, 37, 13, 1, 0)_{70275} \\
\ell_{1790} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{13583745} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{13583745} = \mathbf{Pl}(26, 13, 40, 13, 1, 0)_{70464} \\
\ell_{1791} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{7725185} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{7725185} = \mathbf{Pl}(26, 13, 11, 13, 1, 0)_{68637} \\
\ell_{1792} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{4794497} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{4794497} = \mathbf{Pl}(26, 13, 6, 13, 1, 0)_{68322} \\
\ell_{1793} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{6660417} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{6660417} = \mathbf{Pl}(26, 13, 17, 13, 1, 0)_{69015} \\
\ell_{1794} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{1332737} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{1332737} = \mathbf{Pl}(26, 13, 28, 13, 1, 0)_{69708}
\end{aligned}$$

$$\begin{aligned}
\ell_{1795} &= \begin{bmatrix} 1 & \epsilon^{34} & \epsilon^{34} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2438345} = \begin{bmatrix} 1 & 9 & 9 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2438345} = \mathbf{Pl}(0, 9, 0, 9, 1, 0)_{13441} \\
\ell_{1796} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{3462721} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{3462721} = \mathbf{Pl}(27, 9, 8, 9, 1, 0)_{52573} \\
\ell_{1797} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{268033} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{268033} = \mathbf{Pl}(27, 9, 9, 9, 1, 0)_{52636} \\
\ell_{1798} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{12786497} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{12786497} = \mathbf{Pl}(27, 9, 18, 9, 1, 0)_{53203} \\
\ell_{1799} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{8522305} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{8522305} = \mathbf{Pl}(27, 9, 27, 9, 1, 0)_{53770} \\
\ell_{1800} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{6394241} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{6394241} = \mathbf{Pl}(27, 9, 36, 9, 1, 0)_{54337} \\
\ell_{1801} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{16777601} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{16777601} = \mathbf{Pl}(27, 9, 45, 9, 1, 0)_{54904} \\
\ell_{1802} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{4264193} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{4264193} = \mathbf{Pl}(27, 9, 54, 9, 1, 0)_{55471} \\
\ell_{1803} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{11984001} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{11984001} = \mathbf{Pl}(27, 9, 63, 9, 1, 0)_{56038} \\
\ell_{1804} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{3197121} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{3197121} = \mathbf{Pl}(27, 9, 41, 9, 1, 0)_{54652} \\
\ell_{1805} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{7190401} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{7190401} = \mathbf{Pl}(27, 9, 32, 9, 1, 0)_{54085} \\
\ell_{1806} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{12519553} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{12519553} = \mathbf{Pl}(27, 9, 59, 9, 1, 0)_{55786} \\
\ell_{1807} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{9855233} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{9855233} = \mathbf{Pl}(27, 9, 50, 9, 1, 0)_{55219} \\
\ell_{1808} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{2132097} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{2132097} = \mathbf{Pl}(27, 9, 13, 9, 1, 0)_{52888} \\
\ell_{1809} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{6925441} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{6925441} = \mathbf{Pl}(27, 9, 4, 9, 1, 0)_{52321} \\
\ell_{1810} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{10122753} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{10122753} = \mathbf{Pl}(27, 9, 31, 9, 1, 0)_{54022} \\
\ell_{1811} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{5594561} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{5594561} = \mathbf{Pl}(27, 9, 22, 9, 1, 0)_{53455} \\
\ell_{1812} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{1601601} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{1601601} = \mathbf{Pl}(27, 9, 51, 9, 1, 0)_{55282} \\
\ell_{1813} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{11719297} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{11719297} = \mathbf{Pl}(27, 9, 58, 9, 1, 0)_{55723} \\
\ell_{1814} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{16247681} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{16247681} = \mathbf{Pl}(27, 9, 33, 9, 1, 0)_{54148} \\
\ell_{1815} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{7458753} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{7458753} = \mathbf{Pl}(27, 9, 40, 9, 1, 0)_{54589}
\end{aligned}$$

$$\begin{aligned}
\ell_{1816} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{10388481} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{10388481} = \mathbf{Pl}(27, 9, 23, 9, 1, 0)_{53518} \\
\ell_{1817} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{3998273} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{3998273} = \mathbf{Pl}(27, 9, 30, 9, 1, 0)_{53959} \\
\ell_{1818} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{9058369} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{9058369} = \mathbf{Pl}(27, 9, 5, 9, 1, 0)_{52384} \\
\ell_{1819} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{10918977} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{10918977} = \mathbf{Pl}(27, 9, 12, 9, 1, 0)_{52825} \\
\ell_{1820} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{1066049} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{1066049} = \mathbf{Pl}(27, 9, 26, 9, 1, 0)_{53707} \\
\ell_{1821} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{16512641} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{16512641} = \mathbf{Pl}(27, 9, 19, 9, 1, 0)_{53266} \\
\ell_{1822} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{2396801} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{2396801} = \mathbf{Pl}(27, 9, 1, 9, 1, 0)_{52132} \\
\ell_{1823} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{5061377} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{5061377} = \mathbf{Pl}(27, 9, 62, 9, 1, 0)_{55975} \\
\ell_{1824} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{15980929} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{15980929} = \mathbf{Pl}(27, 9, 55, 9, 1, 0)_{55534} \\
\ell_{1825} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{15446721} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{15446721} = \mathbf{Pl}(27, 9, 44, 9, 1, 0)_{54841} \\
\ell_{1826} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{13315905} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{13315905} = \mathbf{Pl}(27, 9, 37, 9, 1, 0)_{54400} \\
\ell_{1827} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{801793} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{801793} = \mathbf{Pl}(27, 9, 7, 9, 1, 0)_{52510} \\
\ell_{1828} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{13051329} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{13051329} = \mathbf{Pl}(27, 9, 14, 9, 1, 0)_{52951} \\
\ell_{1829} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{5859649} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{5859649} = \mathbf{Pl}(27, 9, 21, 9, 1, 0)_{53392} \\
\ell_{1830} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{10653377} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{10653377} = \mathbf{Pl}(27, 9, 28, 9, 1, 0)_{53833} \\
\ell_{1831} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{12252545} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{12252545} = \mathbf{Pl}(27, 9, 35, 9, 1, 0)_{54274} \\
\ell_{1832} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{2932865} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{2932865} = \mathbf{Pl}(27, 9, 42, 9, 1, 0)_{54715} \\
\ell_{1833} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{3730369} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{3730369} = \mathbf{Pl}(27, 9, 49, 9, 1, 0)_{55156} \\
\ell_{1834} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{5329729} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{5329729} = \mathbf{Pl}(27, 9, 56, 9, 1, 0)_{55597} \\
\ell_{1835} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{9322945} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{9322945} = \mathbf{Pl}(27, 9, 46, 9, 1, 0)_{54967} \\
\ell_{1836} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{6126273} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{6126273} = \mathbf{Pl}(27, 9, 39, 9, 1, 0)_{54526}
\end{aligned}$$

$$\begin{aligned}
\ell_{1837} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{14648577} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{14648577} = \mathbf{Pl}(27, 9, 60, 9, 1, 0)_{55849} \\
\ell_{1838} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{14116865} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{14116865} = \mathbf{Pl}(27, 9, 53, 9, 1, 0)_{55408} \\
\ell_{1839} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{4530177} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{4530177} = \mathbf{Pl}(27, 9, 10, 9, 1, 0)_{52699} \\
\ell_{1840} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{1866177} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{1866177} = \mathbf{Pl}(27, 9, 3, 9, 1, 0)_{52258} \\
\ell_{1841} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{9587201} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{9587201} = \mathbf{Pl}(27, 9, 24, 9, 1, 0)_{53581} \\
\ell_{1842} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{2665857} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{2665857} = \mathbf{Pl}(27, 9, 17, 9, 1, 0)_{53140} \\
\ell_{1843} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{536065} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{536065} = \mathbf{Pl}(27, 9, 52, 9, 1, 0)_{55345} \\
\ell_{1844} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{8789185} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{8789185} = \mathbf{Pl}(27, 9, 61, 9, 1, 0)_{55912} \\
\ell_{1845} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{8256321} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{8256321} = \mathbf{Pl}(27, 9, 38, 9, 1, 0)_{54463} \\
\ell_{1846} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{15712577} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{15712577} = \mathbf{Pl}(27, 9, 47, 9, 1, 0)_{55030} \\
\ell_{1847} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{14380801} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{14380801} = \mathbf{Pl}(27, 9, 16, 9, 1, 0)_{53077} \\
\ell_{1848} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{11455041} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{11455041} = \mathbf{Pl}(27, 9, 25, 9, 1, 0)_{53644} \\
\ell_{1849} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{13850881} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{13850881} = \mathbf{Pl}(27, 9, 2, 9, 1, 0)_{52195} \\
\ell_{1850} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{11187137} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{11187137} = \mathbf{Pl}(27, 9, 11, 9, 1, 0)_{52762} \\
\ell_{1851} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{15183169} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{15183169} = \mathbf{Pl}(27, 9, 29, 9, 1, 0)_{53896} \\
\ell_{1852} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{14915521} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{14915521} = \mathbf{Pl}(27, 9, 20, 9, 1, 0)_{53329} \\
\ell_{1853} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{7990465} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{7990465} = \mathbf{Pl}(27, 9, 15, 9, 1, 0)_{53014} \\
\ell_{1854} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{13582529} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{13582529} = \mathbf{Pl}(27, 9, 6, 9, 1, 0)_{52447} \\
\ell_{1855} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{7726401} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{7726401} = \mathbf{Pl}(27, 9, 57, 9, 1, 0)_{55660} \\
\ell_{1856} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{4793601} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{4793601} = \mathbf{Pl}(27, 9, 48, 9, 1, 0)_{55093} \\
\ell_{1857} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{6660993} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{6660993} = \mathbf{Pl}(27, 9, 43, 9, 1, 0)_{54778}
\end{aligned}$$

$$\begin{aligned}
\ell_{1858} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{1332929} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{1332929} = \mathbf{PI}(27, 9, 34, 9, 1, 0)_{54211} \\
\ell_{1859} &= \begin{bmatrix} 1 & \epsilon^{22} & \epsilon^{22} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{5142995} = \begin{bmatrix} 1 & 19 & 19 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{5142995} = \mathbf{PI}(0, 19, 0, 19, 1, 0)_{14721} \\
\ell_{1860} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{15982145} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{15982145} = \mathbf{PI}(28, 19, 18, 19, 1, 0)_{92894} \\
\ell_{1861} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{268097} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{268097} = \mathbf{PI}(28, 19, 19, 19, 1, 0)_{92957} \\
\ell_{1862} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{12783489} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{12783489} = \mathbf{PI}(28, 19, 38, 19, 1, 0)_{94154} \\
\ell_{1863} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{8524481} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{8524481} = \mathbf{PI}(28, 19, 53, 19, 1, 0)_{95099} \\
\ell_{1864} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{6391745} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{6391745} = \mathbf{PI}(28, 19, 45, 19, 1, 0)_{94595} \\
\ell_{1865} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{16778753} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{16778753} = \mathbf{PI}(28, 19, 62, 19, 1, 0)_{95666} \\
\ell_{1866} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{4263233} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{4263233} = \mathbf{PI}(28, 19, 11, 19, 1, 0)_{92453} \\
\ell_{1867} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{11983937} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{11983937} = \mathbf{PI}(28, 19, 24, 19, 1, 0)_{93272} \\
\ell_{1868} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{3198913} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{3198913} = \mathbf{PI}(28, 19, 59, 19, 1, 0)_{95477} \\
\ell_{1869} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{7192449} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{7192449} = \mathbf{PI}(28, 19, 40, 19, 1, 0)_{94280} \\
\ell_{1870} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{12520129} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{12520129} = \mathbf{PI}(28, 19, 29, 19, 1, 0)_{93587} \\
\ell_{1871} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{9855681} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{9855681} = \mathbf{PI}(28, 19, 14, 19, 1, 0)_{92642} \\
\ell_{1872} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{2132609} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{2132609} = \mathbf{PI}(28, 19, 22, 19, 1, 0)_{93146} \\
\ell_{1873} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{6927937} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{6927937} = \mathbf{PI}(28, 19, 5, 19, 1, 0)_{92075} \\
\ell_{1874} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{10119681} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{10119681} = \mathbf{PI}(28, 19, 48, 19, 1, 0)_{94784} \\
\ell_{1875} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{5594945} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{5594945} = \mathbf{PI}(28, 19, 35, 19, 1, 0)_{93965} \\
\ell_{1876} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{1600449} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{1600449} = \mathbf{PI}(28, 19, 23, 19, 1, 0)_{93209} \\
\ell_{1877} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{11718913} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{11718913} = \mathbf{PI}(28, 19, 4, 19, 1, 0)_{92012} \\
\ell_{1878} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{16246657} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{16246657} = \mathbf{PI}(28, 19, 49, 19, 1, 0)_{94847}
\end{aligned}$$

$$\begin{aligned}
\ell_{1879} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{7457921} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{7457921} = \mathbf{PI}(28, 19, 34, 19, 1, 0)_{93902} \\
\ell_{1880} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{10387777} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{10387777} = \mathbf{PI}(28, 19, 58, 19, 1, 0)_{95414} \\
\ell_{1881} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{3996033} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{3996033} = \mathbf{PI}(28, 19, 41, 19, 1, 0)_{94343} \\
\ell_{1882} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{9055553} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{9055553} = \mathbf{PI}(28, 19, 28, 19, 1, 0)_{93524} \\
\ell_{1883} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{10919809} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{10919809} = \mathbf{PI}(28, 19, 15, 19, 1, 0)_{92705} \\
\ell_{1884} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{1066305} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{1066305} = \mathbf{PI}(28, 19, 44, 19, 1, 0)_{94532} \\
\ell_{1885} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{16511169} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{16511169} = \mathbf{PI}(28, 19, 63, 19, 1, 0)_{95729} \\
\ell_{1886} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{3464961} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{3464961} = \mathbf{PI}(28, 19, 10, 19, 1, 0)_{92390} \\
\ell_{1887} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{2400705} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{2400705} = \mathbf{PI}(28, 19, 25, 19, 1, 0)_{93335} \\
\ell_{1888} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{5059841} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{5059841} = \mathbf{PI}(28, 19, 1, 19, 1, 0)_{91823} \\
\ell_{1889} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{15446913} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{15446913} = \mathbf{PI}(28, 19, 39, 19, 1, 0)_{94217} \\
\ell_{1890} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{13318657} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{13318657} = \mathbf{PI}(28, 19, 52, 19, 1, 0)_{95036} \\
\ell_{1891} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{801217} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{801217} = \mathbf{PI}(28, 19, 46, 19, 1, 0)_{94658} \\
\ell_{1892} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{13050049} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{13050049} = \mathbf{PI}(28, 19, 61, 19, 1, 0)_{95603} \\
\ell_{1893} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{5859457} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{5859457} = \mathbf{PI}(28, 19, 8, 19, 1, 0)_{92264} \\
\ell_{1894} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{10652737} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{10652737} = \mathbf{PI}(28, 19, 27, 19, 1, 0)_{93461} \\
\ell_{1895} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{12252033} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{12252033} = \mathbf{PI}(28, 19, 3, 19, 1, 0)_{91949} \\
\ell_{1896} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{2929729} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{2929729} = \mathbf{PI}(28, 19, 16, 19, 1, 0)_{92768} \\
\ell_{1897} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{3728961} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{3728961} = \mathbf{PI}(28, 19, 37, 19, 1, 0)_{94091} \\
\ell_{1898} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{5329409} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{5329409} = \mathbf{PI}(28, 19, 54, 19, 1, 0)_{95162} \\
\ell_{1899} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{9321601} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{9321601} = \mathbf{PI}(28, 19, 21, 19, 1, 0)_{93083}
\end{aligned}$$

$$\begin{aligned}
\ell_{1900} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{6126017} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{6126017} = \mathbf{Pl}(28, 19, 6, 19, 1, 0)_{92138} \\
\ell_{1901} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{14650497} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{14650497} = \mathbf{Pl}(28, 19, 51, 19, 1, 0)_{94973} \\
\ell_{1902} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{14114305} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{14114305} = \mathbf{Pl}(28, 19, 32, 19, 1, 0)_{93776} \\
\ell_{1903} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{4530817} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{4530817} = \mathbf{Pl}(28, 19, 56, 19, 1, 0)_{95288} \\
\ell_{1904} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{1867521} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{1867521} = \mathbf{Pl}(28, 19, 43, 19, 1, 0)_{94469} \\
\ell_{1905} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{9590657} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{9590657} = \mathbf{Pl}(28, 19, 30, 19, 1, 0)_{93650} \\
\ell_{1906} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{2664705} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{2664705} = \mathbf{Pl}(28, 19, 13, 19, 1, 0)_{92579} \\
\ell_{1907} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{536193} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{536193} = \mathbf{Pl}(28, 19, 57, 19, 1, 0)_{95351} \\
\ell_{1908} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{8791553} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{8791553} = \mathbf{Pl}(28, 19, 42, 19, 1, 0)_{94406} \\
\ell_{1909} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{8258625} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{8258625} = \mathbf{Pl}(28, 19, 31, 19, 1, 0)_{93713} \\
\ell_{1910} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{15712449} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{15712449} = \mathbf{Pl}(28, 19, 12, 19, 1, 0)_{92516} \\
\ell_{1911} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{14382913} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{14382913} = \mathbf{Pl}(28, 19, 20, 19, 1, 0)_{93020} \\
\ell_{1912} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{11453953} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{11453953} = \mathbf{Pl}(28, 19, 7, 19, 1, 0)_{92201} \\
\ell_{1913} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{13849793} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{13849793} = \mathbf{Pl}(28, 19, 50, 19, 1, 0)_{94910} \\
\ell_{1914} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{11187905} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{11187905} = \mathbf{Pl}(28, 19, 33, 19, 1, 0)_{93839} \\
\ell_{1915} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{15182401} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{15182401} = \mathbf{Pl}(28, 19, 2, 19, 1, 0)_{91886} \\
\ell_{1916} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{14915841} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{14915841} = \mathbf{Pl}(28, 19, 17, 19, 1, 0)_{92831} \\
\ell_{1917} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{7992065} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{7992065} = \mathbf{Pl}(28, 19, 36, 19, 1, 0)_{94028} \\
\ell_{1918} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{13584193} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{13584193} = \mathbf{Pl}(28, 19, 55, 19, 1, 0)_{95225} \\
\ell_{1919} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{7723457} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{7723457} = \mathbf{Pl}(28, 19, 47, 19, 1, 0)_{94721} \\
\ell_{1920} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{4795329} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{4795329} = \mathbf{Pl}(28, 19, 60, 19, 1, 0)_{95540}
\end{aligned}$$

$$\begin{aligned}
\ell_{1921} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{6659329} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{6659329} = \mathbf{Pl}(28, 19, 9, 19, 1, 0)_{92327} \\
\ell_{1922} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{1332353} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{1332353} = \mathbf{Pl}(28, 19, 26, 19, 1, 0)_{93398} \\
\ell_{1923} &= \begin{bmatrix} 1 & \epsilon^{50} & \epsilon^{50} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{16232060} = \begin{bmatrix} 1 & 60 & 60 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{16232060} = \mathbf{Pl}(0, 60, 0, 60, 1, 0)_{19969} \\
\ell_{1924} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{5060929} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{5060929} = \mathbf{Pl}(29, 60, 61, 60, 1, 0)_{258333} \\
\ell_{1925} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{268161} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{268161} = \mathbf{Pl}(29, 60, 60, 60, 1, 0)_{258270} \\
\ell_{1926} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{12786561} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{12786561} = \mathbf{Pl}(29, 60, 25, 60, 1, 0)_{256065} \\
\ell_{1927} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{8522433} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{8522433} = \mathbf{Pl}(29, 60, 37, 60, 1, 0)_{256821} \\
\ell_{1928} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{6393281} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{6393281} = \mathbf{Pl}(29, 60, 50, 60, 1, 0)_{257640} \\
\ell_{1929} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{16779585} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{16779585} = \mathbf{Pl}(29, 60, 14, 60, 1, 0)_{255372} \\
\ell_{1930} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{4264257} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{4264257} = \mathbf{Pl}(29, 60, 43, 60, 1, 0)_{257199} \\
\ell_{1931} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{11986305} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{11986305} = \mathbf{Pl}(29, 60, 23, 60, 1, 0)_{255939} \\
\ell_{1932} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{3199681} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{3199681} = \mathbf{Pl}(29, 60, 5, 60, 1, 0)_{254805} \\
\ell_{1933} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{7193793} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{7193793} = \mathbf{Pl}(29, 60, 57, 60, 1, 0)_{258081} \\
\ell_{1934} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{12517505} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{12517505} = \mathbf{Pl}(29, 60, 28, 60, 1, 0)_{256254} \\
\ell_{1935} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{9853441} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{9853441} = \mathbf{Pl}(29, 60, 32, 60, 1, 0)_{256506} \\
\ell_{1936} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{2133121} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{2133121} = \mathbf{Pl}(29, 60, 55, 60, 1, 0)_{257955} \\
\ell_{1937} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{6926273} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{6926273} = \mathbf{Pl}(29, 60, 11, 60, 1, 0)_{255183} \\
\ell_{1938} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{10121857} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{10121857} = \mathbf{Pl}(29, 60, 46, 60, 1, 0)_{257388} \\
\ell_{1939} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{5596289} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{5596289} = \mathbf{Pl}(29, 60, 18, 60, 1, 0)_{255624} \\
\ell_{1940} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{1600833} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{1600833} = \mathbf{Pl}(29, 60, 10, 60, 1, 0)_{255120} \\
\ell_{1941} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{11720705} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{11720705} = \mathbf{Pl}(29, 60, 54, 60, 1, 0)_{257892}
\end{aligned}$$

$$\begin{aligned}
\ell_{1942} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{16246337} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{16246337} = \mathbf{Pl}(29, 60, 19, 60, 1, 0)_{255687} \\
\ell_{1943} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{7457153} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{7457153} = \mathbf{Pl}(29, 60, 47, 60, 1, 0)_{257451} \\
\ell_{1944} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{10389505} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{10389505} = \mathbf{Pl}(29, 60, 56, 60, 1, 0)_{258018} \\
\ell_{1945} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{3996097} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{3996097} = \mathbf{Pl}(29, 60, 4, 60, 1, 0)_{254742} \\
\ell_{1946} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{9057473} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{9057473} = \mathbf{Pl}(29, 60, 33, 60, 1, 0)_{256569} \\
\ell_{1947} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{10922305} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{10922305} = \mathbf{Pl}(29, 60, 29, 60, 1, 0)_{256317} \\
\ell_{1948} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{1066561} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{1066561} = \mathbf{Pl}(29, 60, 15, 60, 1, 0)_{255435} \\
\ell_{1949} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{16514625} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{16514625} = \mathbf{Pl}(29, 60, 51, 60, 1, 0)_{257703} \\
\ell_{1950} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{3464129} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{3464129} = \mathbf{Pl}(29, 60, 22, 60, 1, 0)_{255876} \\
\ell_{1951} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{2400257} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{2400257} = \mathbf{Pl}(29, 60, 42, 60, 1, 0)_{257136} \\
\ell_{1952} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{15978305} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{15978305} = \mathbf{Pl}(29, 60, 1, 60, 1, 0)_{254553} \\
\ell_{1953} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{15448577} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{15448577} = \mathbf{Pl}(29, 60, 36, 60, 1, 0)_{256758} \\
\ell_{1954} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{13315457} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{13315457} = \mathbf{Pl}(29, 60, 24, 60, 1, 0)_{256002} \\
\ell_{1955} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{801409} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{801409} = \mathbf{Pl}(29, 60, 20, 60, 1, 0)_{255750} \\
\ell_{1956} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{13051137} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{13051137} = \mathbf{Pl}(29, 60, 40, 60, 1, 0)_{257010} \\
\ell_{1957} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{5860353} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{5860353} = \mathbf{Pl}(29, 60, 13, 60, 1, 0)_{255309} \\
\ell_{1958} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{10654273} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{10654273} = \mathbf{Pl}(29, 60, 49, 60, 1, 0)_{257577} \\
\ell_{1959} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{12250881} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{12250881} = \mathbf{Pl}(29, 60, 38, 60, 1, 0)_{256884} \\
\ell_{1960} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{2930177} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{2930177} = \mathbf{Pl}(29, 60, 26, 60, 1, 0)_{256128} \\
\ell_{1961} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{3728577} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{3728577} = \mathbf{Pl}(29, 60, 63, 60, 1, 0)_{258459} \\
\ell_{1962} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{5328129} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{5328129} = \mathbf{Pl}(29, 60, 3, 60, 1, 0)_{254679}
\end{aligned}$$

$$\begin{aligned}
\ell_{1963} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{9323457} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{9323457} = \mathbf{Pl}(29, 60, 17, 60, 1, 0)_{255561} \\
\ell_{1964} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{6125441} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{6125441} = \mathbf{Pl}(29, 60, 45, 60, 1, 0)_{257325} \\
\ell_{1965} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{14647489} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{14647489} = \mathbf{Pl}(29, 60, 8, 60, 1, 0)_{254994} \\
\ell_{1966} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{14117569} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{14117569} = \mathbf{Pl}(29, 60, 52, 60, 1, 0)_{257766} \\
\ell_{1967} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{4529729} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{4529729} = \mathbf{Pl}(29, 60, 35, 60, 1, 0)_{256695} \\
\ell_{1968} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{1867329} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{1867329} = \mathbf{Pl}(29, 60, 31, 60, 1, 0)_{256443} \\
\ell_{1969} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{9588865} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{9588865} = \mathbf{Pl}(29, 60, 58, 60, 1, 0)_{258144} \\
\ell_{1970} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{2664065} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{2664065} = \mathbf{Pl}(29, 60, 6, 60, 1, 0)_{254868} \\
\ell_{1971} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{536321} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{536321} = \mathbf{Pl}(29, 60, 30, 60, 1, 0)_{256380} \\
\ell_{1972} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{8789441} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{8789441} = \mathbf{Pl}(29, 60, 34, 60, 1, 0)_{256632} \\
\ell_{1973} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{8258305} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{8258305} = \mathbf{Pl}(29, 60, 7, 60, 1, 0)_{254931} \\
\ell_{1974} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{15715201} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{15715201} = \mathbf{Pl}(29, 60, 59, 60, 1, 0)_{258207} \\
\ell_{1975} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{14381505} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{14381505} = \mathbf{Pl}(29, 60, 44, 60, 1, 0)_{257262} \\
\ell_{1976} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{11451457} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{11451457} = \mathbf{Pl}(29, 60, 16, 60, 1, 0)_{255498} \\
\ell_{1977} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{13850561} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{13850561} = \mathbf{Pl}(29, 60, 53, 60, 1, 0)_{257829} \\
\ell_{1978} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{11186497} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{11186497} = \mathbf{Pl}(29, 60, 9, 60, 1, 0)_{255057} \\
\ell_{1979} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{15179905} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{15179905} = \mathbf{Pl}(29, 60, 27, 60, 1, 0)_{256191} \\
\ell_{1980} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{14914305} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{14914305} = \mathbf{Pl}(29, 60, 39, 60, 1, 0)_{256947} \\
\ell_{1981} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{7992193} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{7992193} = \mathbf{Pl}(29, 60, 2, 60, 1, 0)_{254616} \\
\ell_{1982} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{13583105} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{13583105} = \mathbf{Pl}(29, 60, 62, 60, 1, 0)_{258396} \\
\ell_{1983} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{7724289} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{7724289} = \mathbf{Pl}(29, 60, 41, 60, 1, 0)_{257073}
\end{aligned}$$

$$\begin{aligned}
\ell_{1984} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{4794433} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{4794433} = \mathbf{Pl}(29, 60, 21, 60, 1, 0)_{255813} \\
\ell_{1985} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{6657729} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{6657729} = \mathbf{Pl}(29, 60, 48, 60, 1, 0)_{257514} \\
\ell_{1986} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{1332033} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{1332033} = \mathbf{Pl}(29, 60, 12, 60, 1, 0)_{255246} \\
\ell_{1987} &= \begin{bmatrix} 1 & \epsilon^{14} & \epsilon^{14} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15691130} = \begin{bmatrix} 1 & 58 & 58 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15691130} = \mathbf{Pl}(0, 58, 0, 58, 1, 0)_{19713} \\
\ell_{1988} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{13318465} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{13318465} = \mathbf{Pl}(30, 58, 59, 58, 1, 0)_{250270} \\
\ell_{1989} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{268225} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{268225} = \mathbf{Pl}(30, 58, 58, 58, 1, 0)_{250207} \\
\ell_{1990} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{12783553} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{12783553} = \mathbf{Pl}(30, 58, 21, 58, 1, 0)_{247876} \\
\ell_{1991} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{8522369} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{8522369} = \mathbf{Pl}(30, 58, 47, 58, 1, 0)_{249514} \\
\ell_{1992} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{6394817} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{6394817} = \mathbf{Pl}(30, 58, 42, 58, 1, 0)_{249199} \\
\ell_{1993} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{16777537} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{16777537} = \mathbf{Pl}(30, 58, 16, 58, 1, 0)_{247561} \\
\ell_{1994} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{4261185} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{4261185} = \mathbf{Pl}(30, 58, 63, 58, 1, 0)_{250522} \\
\ell_{1995} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{11987713} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{11987713} = \mathbf{Pl}(30, 58, 5, 58, 1, 0)_{246868} \\
\ell_{1996} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{3198401} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{3198401} = \mathbf{Pl}(30, 58, 53, 58, 1, 0)_{249892} \\
\ell_{1997} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{7191553} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{7191553} = \mathbf{Pl}(30, 58, 15, 58, 1, 0)_{247498} \\
\ell_{1998} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{12516481} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{12516481} = \mathbf{Pl}(30, 58, 32, 58, 1, 0)_{248569} \\
\ell_{1999} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{9854081} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{9854081} = \mathbf{Pl}(30, 58, 26, 58, 1, 0)_{248191} \\
\ell_{2000} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{2133633} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{2133633} = \mathbf{Pl}(30, 58, 31, 58, 1, 0)_{248506} \\
\ell_{2001} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{6924609} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{6924609} = \mathbf{Pl}(30, 58, 37, 58, 1, 0)_{248884} \\
\ell_{2002} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{10122561} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{10122561} = \mathbf{Pl}(30, 58, 10, 58, 1, 0)_{247183} \\
\ell_{2003} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{5592513} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{5592513} = \mathbf{Pl}(30, 58, 48, 58, 1, 0)_{249577} \\
\ell_{2004} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{1600193} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{1600193} = \mathbf{Pl}(30, 58, 11, 58, 1, 0)_{247246}
\end{aligned}$$

$$\begin{aligned}
\ell_{2005} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{11719489} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{11719489} = \mathbf{Pl}(30, 58, 49, 58, 1, 0)_{249640} \\
\ell_{2006} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{16248257} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{16248257} = \mathbf{Pl}(30, 58, 30, 58, 1, 0)_{248443} \\
\ell_{2007} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{7459457} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{7459457} = \mathbf{Pl}(30, 58, 36, 58, 1, 0)_{248821} \\
\ell_{2008} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{10388993} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{10388993} = \mathbf{Pl}(30, 58, 33, 58, 1, 0)_{248632} \\
\ell_{2009} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{3995137} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{3995137} = \mathbf{Pl}(30, 58, 27, 58, 1, 0)_{248254} \\
\ell_{2010} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{9057793} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{9057793} = \mathbf{Pl}(30, 58, 52, 58, 1, 0)_{249829} \\
\ell_{2011} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{10920897} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{10920897} = \mathbf{Pl}(30, 58, 14, 58, 1, 0)_{247435} \\
\ell_{2012} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{1066817} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{1066817} = \mathbf{Pl}(30, 58, 62, 58, 1, 0)_{250459} \\
\ell_{2013} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{16512385} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{16512385} = \mathbf{Pl}(30, 58, 4, 58, 1, 0)_{246805} \\
\ell_{2014} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{3465345} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{3465345} = \mathbf{Pl}(30, 58, 43, 58, 1, 0)_{249262} \\
\ell_{2015} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{2399553} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{2399553} = \mathbf{Pl}(30, 58, 17, 58, 1, 0)_{247624} \\
\ell_{2016} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{5062273} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{5062273} = \mathbf{Pl}(30, 58, 20, 58, 1, 0)_{247813} \\
\ell_{2017} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{15980545} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{15980545} = \mathbf{Pl}(30, 58, 46, 58, 1, 0)_{249451} \\
\ell_{2018} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{15445697} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{15445697} = \mathbf{Pl}(30, 58, 1, 58, 1, 0)_{246616} \\
\ell_{2019} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{801089} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{801089} = \mathbf{Pl}(30, 58, 22, 58, 1, 0)_{247939} \\
\ell_{2020} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{13049985} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{13049985} = \mathbf{Pl}(30, 58, 44, 58, 1, 0)_{249325} \\
\ell_{2021} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{5860737} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{5860737} = \mathbf{Pl}(30, 58, 3, 58, 1, 0)_{246742} \\
\ell_{2022} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{10655745} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{10655745} = \mathbf{Pl}(30, 58, 57, 58, 1, 0)_{250144} \\
\ell_{2023} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{12251841} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{12251841} = \mathbf{Pl}(30, 58, 60, 58, 1, 0)_{250333} \\
\ell_{2024} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{2930369} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{2930369} = \mathbf{Pl}(30, 58, 6, 58, 1, 0)_{246931} \\
\ell_{2025} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{3729729} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{3729729} = \mathbf{Pl}(30, 58, 41, 58, 1, 0)_{249136}
\end{aligned}$$

$$\begin{aligned}
\ell_{2026} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{5327873} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{5327873} = \mathbf{Pl}(30, 58, 19, 58, 1, 0)_{247750} \\
\ell_{2027} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{9323201} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{9323201} = \mathbf{Pl}(30, 58, 35, 58, 1, 0)_{248758} \\
\ell_{2028} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{6128961} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{6128961} = \mathbf{Pl}(30, 58, 25, 58, 1, 0)_{248128} \\
\ell_{2029} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{14650049} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{14650049} = \mathbf{Pl}(30, 58, 54, 58, 1, 0)_{249955} \\
\ell_{2030} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{14114625} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{14114625} = \mathbf{Pl}(30, 58, 12, 58, 1, 0)_{247309} \\
\ell_{2031} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{4528897} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{4528897} = \mathbf{Pl}(30, 58, 9, 58, 1, 0)_{247120} \\
\ell_{2032} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{1867905} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{1867905} = \mathbf{Pl}(30, 58, 51, 58, 1, 0)_{249766} \\
\ell_{2033} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{9588161} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{9588161} = \mathbf{Pl}(30, 58, 28, 58, 1, 0)_{248317} \\
\ell_{2034} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{2663937} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{2663937} = \mathbf{Pl}(30, 58, 38, 58, 1, 0)_{248947} \\
\ell_{2035} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{536449} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{536449} = \mathbf{Pl}(30, 58, 29, 58, 1, 0)_{248380} \\
\ell_{2036} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{8789313} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{8789313} = \mathbf{Pl}(30, 58, 39, 58, 1, 0)_{249010} \\
\ell_{2037} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{8256193} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{8256193} = \mathbf{Pl}(30, 58, 8, 58, 1, 0)_{247057} \\
\ell_{2038} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{15713921} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{15713921} = \mathbf{Pl}(30, 58, 50, 58, 1, 0)_{249703} \\
\ell_{2039} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{14383105} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{14383105} = \mathbf{Pl}(30, 58, 55, 58, 1, 0)_{250018} \\
\ell_{2040} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{11452737} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{11452737} = \mathbf{Pl}(30, 58, 13, 58, 1, 0)_{247372} \\
\ell_{2041} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{13849217} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{13849217} = \mathbf{Pl}(30, 58, 34, 58, 1, 0)_{248695} \\
\ell_{2042} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{11185025} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{11185025} = \mathbf{Pl}(30, 58, 24, 58, 1, 0)_{248065} \\
\ell_{2043} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{15181569} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{15181569} = \mathbf{Pl}(30, 58, 40, 58, 1, 0)_{249073} \\
\ell_{2044} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{14916929} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{14916929} = \mathbf{Pl}(30, 58, 18, 58, 1, 0)_{247687} \\
\ell_{2045} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{7990273} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{7990273} = \mathbf{Pl}(30, 58, 61, 58, 1, 0)_{250396} \\
\ell_{2046} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{13584385} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{13584385} = \mathbf{Pl}(30, 58, 7, 58, 1, 0)_{246994}
\end{aligned}$$

$$\begin{aligned}
\ell_{2047} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{7725889} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{7725889} = \mathbf{Pl}(30, 58, 2, 58, 1, 0)_{246679} \\
\ell_{2048} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{4797121} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{4797121} = \mathbf{Pl}(30, 58, 56, 58, 1, 0)_{250081} \\
\ell_{2049} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{6660225} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{6660225} = \mathbf{Pl}(30, 58, 23, 58, 1, 0)_{248002} \\
\ell_{2050} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{1331969} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{1331969} = \mathbf{Pl}(30, 58, 45, 58, 1, 0)_{249388} \\
\ell_{2051} &= \begin{bmatrix} 1 & \epsilon^{52} & \epsilon^{52} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{13527410} = \begin{bmatrix} 1 & 50 & 50 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{13527410} = \mathbf{Pl}(0, 50, 0, 50, 1, 0)_{18689} \\
\ell_{2052} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{15449409} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{15449409} = \mathbf{Pl}(31, 50, 51, 50, 1, 0)_{218015} \\
\ell_{2053} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{268289} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{268289} = \mathbf{Pl}(31, 50, 50, 50, 1, 0)_{217952} \\
\ell_{2054} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{12786625} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{12786625} = \mathbf{Pl}(31, 50, 5, 50, 1, 0)_{215117} \\
\ell_{2055} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{8524417} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{8524417} = \mathbf{Pl}(31, 50, 55, 50, 1, 0)_{218267} \\
\ell_{2056} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{6394305} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{6394305} = \mathbf{Pl}(31, 50, 10, 50, 1, 0)_{215432} \\
\ell_{2057} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{16780801} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{16780801} = \mathbf{Pl}(31, 50, 56, 50, 1, 0)_{218330} \\
\ell_{2058} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{4262209} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{4262209} = \mathbf{Pl}(31, 50, 15, 50, 1, 0)_{215747} \\
\ell_{2059} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{11984833} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{11984833} = \mathbf{Pl}(31, 50, 61, 50, 1, 0)_{218645} \\
\ell_{2060} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{3198145} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{3198145} = \mathbf{Pl}(31, 50, 20, 50, 1, 0)_{216062} \\
\ell_{2061} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{7191105} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{7191105} = \mathbf{Pl}(31, 50, 38, 50, 1, 0)_{217196} \\
\ell_{2062} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{12519105} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{12519105} = \mathbf{Pl}(31, 50, 17, 50, 1, 0)_{215873} \\
\ell_{2063} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{9855809} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{9855809} = \mathbf{Pl}(31, 50, 35, 50, 1, 0)_{217007} \\
\ell_{2064} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{2134145} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{2134145} = \mathbf{Pl}(31, 50, 30, 50, 1, 0)_{216692} \\
\ell_{2065} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{6924993} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{6924993} = \mathbf{Pl}(31, 50, 44, 50, 1, 0)_{217574} \\
\ell_{2066} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{10120129} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{10120129} = \mathbf{Pl}(31, 50, 27, 50, 1, 0)_{216503} \\
\ell_{2067} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{5593857} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{5593857} = \mathbf{Pl}(31, 50, 41, 50, 1, 0)_{217385}
\end{aligned}$$

$$\begin{aligned}
\ell_{2068} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{1600065} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{1600065} = \mathbf{Pl}(31, 50, 40, 50, 1, 0)_{217322} \\
\ell_{2069} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{11718209} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{11718209} = \mathbf{Pl}(31, 50, 26, 50, 1, 0)_{216440} \\
\ell_{2070} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{16244993} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{16244993} = \mathbf{Pl}(31, 50, 45, 50, 1, 0)_{217637} \\
\ell_{2071} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{7459713} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{7459713} = \mathbf{Pl}(31, 50, 31, 50, 1, 0)_{216755} \\
\ell_{2072} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{10387265} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{10387265} = \mathbf{Pl}(31, 50, 34, 50, 1, 0)_{216944} \\
\ell_{2073} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{3994945} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{3994945} = \mathbf{Pl}(31, 50, 16, 50, 1, 0)_{215810} \\
\ell_{2074} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{9055617} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{9055617} = \mathbf{Pl}(31, 50, 39, 50, 1, 0)_{217259} \\
\ell_{2075} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{10919425} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{10919425} = \mathbf{Pl}(31, 50, 21, 50, 1, 0)_{216125} \\
\ell_{2076} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{1067073} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{1067073} = \mathbf{Pl}(31, 50, 60, 50, 1, 0)_{218582} \\
\ell_{2077} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{16513281} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{16513281} = \mathbf{Pl}(31, 50, 14, 50, 1, 0)_{215684} \\
\ell_{2078} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{3465537} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{3465537} = \mathbf{Pl}(31, 50, 57, 50, 1, 0)_{218393} \\
\ell_{2079} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{2399105} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{2399105} = \mathbf{Pl}(31, 50, 11, 50, 1, 0)_{215495} \\
\ell_{2080} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{5063105} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{5063105} = \mathbf{Pl}(31, 50, 54, 50, 1, 0)_{218204} \\
\ell_{2081} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{15979777} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{15979777} = \mathbf{Pl}(31, 50, 4, 50, 1, 0)_{215054} \\
\ell_{2082} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{13315265} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{13315265} = \mathbf{Pl}(31, 50, 1, 50, 1, 0)_{214865} \\
\ell_{2083} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{801025} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{801025} = \mathbf{Pl}(31, 50, 49, 50, 1, 0)_{217889} \\
\ell_{2084} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{13050945} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{13050945} = \mathbf{Pl}(31, 50, 3, 50, 1, 0)_{214991} \\
\ell_{2085} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{5862145} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{5862145} = \mathbf{Pl}(31, 50, 52, 50, 1, 0)_{218078} \\
\ell_{2086} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{10653185} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{10653185} = \mathbf{Pl}(31, 50, 6, 50, 1, 0)_{215180} \\
\ell_{2087} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{12253249} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{12253249} = \mathbf{Pl}(31, 50, 59, 50, 1, 0)_{218519} \\
\ell_{2088} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{2931073} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{2931073} = \mathbf{Pl}(31, 50, 9, 50, 1, 0)_{215369}
\end{aligned}$$

$$\begin{aligned}
\ell_{2089} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{3729857} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{3729857} = \mathbf{Pl}(31, 50, 62, 50, 1, 0)_{218708} \\
\ell_{2090} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{5326593} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{5326593} = \mathbf{Pl}(31, 50, 12, 50, 1, 0)_{215558} \\
\ell_{2091} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{9321345} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{9321345} = \mathbf{Pl}(31, 50, 37, 50, 1, 0)_{217133} \\
\ell_{2092} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{6127617} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{6127617} = \mathbf{Pl}(31, 50, 23, 50, 1, 0)_{216251} \\
\ell_{2093} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{14646913} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{14646913} = \mathbf{Pl}(31, 50, 32, 50, 1, 0)_{216818} \\
\ell_{2094} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{14118017} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{14118017} = \mathbf{Pl}(31, 50, 18, 50, 1, 0)_{215936} \\
\ell_{2095} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{4527809} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{4527809} = \mathbf{Pl}(31, 50, 47, 50, 1, 0)_{217763} \\
\ell_{2096} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{1867969} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{1867969} = \mathbf{Pl}(31, 50, 29, 50, 1, 0)_{216629} \\
\ell_{2097} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{9590465} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{9590465} = \mathbf{Pl}(31, 50, 42, 50, 1, 0)_{217448} \\
\ell_{2098} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{2663297} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{2663297} = \mathbf{Pl}(31, 50, 24, 50, 1, 0)_{216314} \\
\ell_{2099} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{536577} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{536577} = \mathbf{Pl}(31, 50, 25, 50, 1, 0)_{216377} \\
\ell_{2100} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{8791425} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{8791425} = \mathbf{Pl}(31, 50, 43, 50, 1, 0)_{217511} \\
\ell_{2101} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{8256641} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{8256641} = \mathbf{Pl}(31, 50, 28, 50, 1, 0)_{216566} \\
\ell_{2102} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{15714241} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{15714241} = \mathbf{Pl}(31, 50, 46, 50, 1, 0)_{217700} \\
\ell_{2103} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{14382209} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{14382209} = \mathbf{Pl}(31, 50, 19, 50, 1, 0)_{215999} \\
\ell_{2104} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{11454209} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{11454209} = \mathbf{Pl}(31, 50, 33, 50, 1, 0)_{216881} \\
\ell_{2105} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{13849985} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{13849985} = \mathbf{Pl}(31, 50, 22, 50, 1, 0)_{216188} \\
\ell_{2106} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{11187713} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{11187713} = \mathbf{Pl}(31, 50, 36, 50, 1, 0)_{217070} \\
\ell_{2107} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{15180993} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{15180993} = \mathbf{Pl}(31, 50, 13, 50, 1, 0)_{215621} \\
\ell_{2108} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{14913345} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{14913345} = \mathbf{Pl}(31, 50, 63, 50, 1, 0)_{218771} \\
\ell_{2109} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{7989889} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{7989889} = \mathbf{Pl}(31, 50, 8, 50, 1, 0)_{215306}
\end{aligned}$$

$$\begin{aligned}
\ell_{2110} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{13583425} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{13583425} = \mathbf{Pl}(31, 50, 58, 50, 1, 0)_{218456} \\
\ell_{2111} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{7725697} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{7725697} = \mathbf{Pl}(31, 50, 7, 50, 1, 0)_{215243} \\
\ell_{2112} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{4796225} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{4796225} = \mathbf{Pl}(31, 50, 53, 50, 1, 0)_{218141} \\
\ell_{2113} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{6660673} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{6660673} = \mathbf{Pl}(31, 50, 2, 50, 1, 0)_{214928} \\
\ell_{2114} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{1331649} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{1331649} = \mathbf{Pl}(31, 50, 48, 50, 1, 0)_{217826} \\
\ell_{2115} &= \begin{bmatrix} 1 & \epsilon^{58} & \epsilon^{58} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{815555} = \begin{bmatrix} 1 & 3 & 3 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{815555} = \mathbf{Pl}(0, 3, 0, 3, 1, 0)_{12673} \\
\ell_{2116} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{13051969} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{13051969} = \mathbf{Pl}(32, 3, 2, 3, 1, 0)_{28386} \\
\ell_{2117} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{268353} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{268353} = \mathbf{Pl}(32, 3, 3, 3, 1, 0)_{28449} \\
\ell_{2118} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{12783617} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{12783617} = \mathbf{Pl}(32, 3, 6, 3, 1, 0)_{28638} \\
\ell_{2119} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{8525761} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{8525761} = \mathbf{Pl}(32, 3, 5, 3, 1, 0)_{28575} \\
\ell_{2120} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{6391809} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{6391809} = \mathbf{Pl}(32, 3, 12, 3, 1, 0)_{29016} \\
\ell_{2121} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{16778497} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{16778497} = \mathbf{Pl}(32, 3, 15, 3, 1, 0)_{29205} \\
\ell_{2122} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{4263873} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{4263873} = \mathbf{Pl}(32, 3, 10, 3, 1, 0)_{28890} \\
\ell_{2123} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{11985409} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{11985409} = \mathbf{Pl}(32, 3, 9, 3, 1, 0)_{28827} \\
\ell_{2124} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{3195905} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{3195905} = \mathbf{Pl}(32, 3, 24, 3, 1, 0)_{29772} \\
\ell_{2125} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{7190785} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{7190785} = \mathbf{Pl}(32, 3, 27, 3, 1, 0)_{29961} \\
\ell_{2126} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{12520001} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{12520001} = \mathbf{Pl}(32, 3, 30, 3, 1, 0)_{30150} \\
\ell_{2127} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{9857089} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{9857089} = \mathbf{Pl}(32, 3, 29, 3, 1, 0)_{30087} \\
\ell_{2128} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{2132929} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{2132929} = \mathbf{Pl}(32, 3, 20, 3, 1, 0)_{29520} \\
\ell_{2129} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{6926529} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{6926529} = \mathbf{Pl}(32, 3, 23, 3, 1, 0)_{29709} \\
\ell_{2130} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{10123457} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{10123457} = \mathbf{Pl}(32, 3, 18, 3, 1, 0)_{29394}
\end{aligned}$$

$$\begin{aligned}
\ell_{2131} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{5595201} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{5595201} = \mathbf{Pl}(32, 3, 17, 3, 1, 0)_{29331} \\
\ell_{2132} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{1597953} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{1597953} = \mathbf{Pl}(32, 3, 48, 3, 1, 0)_{31284} \\
\ell_{2133} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{11721153} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{11721153} = \mathbf{Pl}(32, 3, 51, 3, 1, 0)_{31473} \\
\ell_{2134} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{16247873} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{16247873} = \mathbf{Pl}(32, 3, 54, 3, 1, 0)_{31662} \\
\ell_{2135} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{7459265} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{7459265} = \mathbf{Pl}(32, 3, 53, 3, 1, 0)_{31599} \\
\ell_{2136} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{10387713} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{10387713} = \mathbf{Pl}(32, 3, 60, 3, 1, 0)_{32040} \\
\ell_{2137} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{3994881} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{3994881} = \mathbf{Pl}(32, 3, 63, 3, 1, 0)_{32229} \\
\ell_{2138} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{9056257} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{9056257} = \mathbf{Pl}(32, 3, 58, 3, 1, 0)_{31914} \\
\ell_{2139} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{10922049} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{10922049} = \mathbf{Pl}(32, 3, 57, 3, 1, 0)_{31851} \\
\ell_{2140} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{1067457} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{1067457} = \mathbf{Pl}(32, 3, 40, 3, 1, 0)_{30780} \\
\ell_{2141} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{16514241} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{16514241} = \mathbf{Pl}(32, 3, 43, 3, 1, 0)_{30969} \\
\ell_{2142} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{3464257} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{3464257} = \mathbf{Pl}(32, 3, 46, 3, 1, 0)_{31158} \\
\ell_{2143} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{2397185} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{2397185} = \mathbf{Pl}(32, 3, 45, 3, 1, 0)_{31095} \\
\ell_{2144} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{5062721} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{5062721} = \mathbf{Pl}(32, 3, 36, 3, 1, 0)_{30528} \\
\ell_{2145} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{15979521} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{15979521} = \mathbf{Pl}(32, 3, 39, 3, 1, 0)_{30717} \\
\ell_{2146} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{15447041} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{15447041} = \mathbf{Pl}(32, 3, 34, 3, 1, 0)_{30402} \\
\ell_{2147} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{13318337} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{13318337} = \mathbf{Pl}(32, 3, 33, 3, 1, 0)_{30339} \\
\ell_{2148} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{798977} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{798977} = \mathbf{Pl}(32, 3, 1, 3, 1, 0)_{28323} \\
\ell_{2149} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{5861569} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{5861569} = \mathbf{Pl}(32, 3, 7, 3, 1, 0)_{28701} \\
\ell_{2150} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{10653697} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{10653697} = \mathbf{Pl}(32, 3, 4, 3, 1, 0)_{28512} \\
\ell_{2151} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{12251649} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{12251649} = \mathbf{Pl}(32, 3, 13, 3, 1, 0)_{29079}
\end{aligned}$$

$$\begin{aligned}
\ell_{2152} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{2931777} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{2931777} = \mathbf{Pl}(32, 3, 14, 3, 1, 0)_{29142} \\
\ell_{2153} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{3730625} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{3730625} = \mathbf{Pl}(32, 3, 11, 3, 1, 0)_{28953} \\
\ell_{2154} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{5326849} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{5326849} = \mathbf{Pl}(32, 3, 8, 3, 1, 0)_{28764} \\
\ell_{2155} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{9324609} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{9324609} = \mathbf{Pl}(32, 3, 25, 3, 1, 0)_{29835} \\
\ell_{2156} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{6125825} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{6125825} = \mathbf{Pl}(32, 3, 26, 3, 1, 0)_{29898} \\
\ell_{2157} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{14649921} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{14649921} = \mathbf{Pl}(32, 3, 31, 3, 1, 0)_{30213} \\
\ell_{2158} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{14115329} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{14115329} = \mathbf{Pl}(32, 3, 28, 3, 1, 0)_{30024} \\
\ell_{2159} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{4528129} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{4528129} = \mathbf{Pl}(32, 3, 21, 3, 1, 0)_{29583} \\
\ell_{2160} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{1866305} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{1866305} = \mathbf{Pl}(32, 3, 22, 3, 1, 0)_{29646} \\
\ell_{2161} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{9588737} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{9588737} = \mathbf{Pl}(32, 3, 19, 3, 1, 0)_{29457} \\
\ell_{2162} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{2663425} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{2663425} = \mathbf{Pl}(32, 3, 16, 3, 1, 0)_{29268} \\
\ell_{2163} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{534721} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{534721} = \mathbf{Pl}(32, 3, 49, 3, 1, 0)_{31347} \\
\ell_{2164} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{8790017} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{8790017} = \mathbf{Pl}(32, 3, 50, 3, 1, 0)_{31410} \\
\ell_{2165} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{8258113} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{8258113} = \mathbf{Pl}(32, 3, 55, 3, 1, 0)_{31725} \\
\ell_{2166} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{15715393} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{15715393} = \mathbf{Pl}(32, 3, 52, 3, 1, 0)_{31536} \\
\ell_{2167} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{14381569} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{14381569} = \mathbf{Pl}(32, 3, 61, 3, 1, 0)_{32103} \\
\ell_{2168} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{11452673} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{11452673} = \mathbf{Pl}(32, 3, 62, 3, 1, 0)_{32166} \\
\ell_{2169} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{13851073} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{13851073} = \mathbf{Pl}(32, 3, 59, 3, 1, 0)_{31977} \\
\ell_{2170} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{11188417} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{11188417} = \mathbf{Pl}(32, 3, 56, 3, 1, 0)_{31788} \\
\ell_{2171} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{15180801} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{15180801} = \mathbf{Pl}(32, 3, 41, 3, 1, 0)_{30843} \\
\ell_{2172} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{14916545} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{14916545} = \mathbf{Pl}(32, 3, 42, 3, 1, 0)_{30906}
\end{aligned}$$

$$\begin{aligned}
\ell_{2173} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{7989761} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{7989761} = \mathbf{Pl}(32, 3, 47, 3, 1, 0)_{31221} \\
\ell_{2174} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{13582593} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{13582593} = \mathbf{Pl}(32, 3, 44, 3, 1, 0)_{31032} \\
\ell_{2175} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{7723521} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{7723521} = \mathbf{Pl}(32, 3, 37, 3, 1, 0)_{30591} \\
\ell_{2176} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{4794369} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{4794369} = \mathbf{Pl}(32, 3, 38, 3, 1, 0)_{30654} \\
\ell_{2177} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{6660161} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{6660161} = \mathbf{Pl}(32, 3, 35, 3, 1, 0)_{30465} \\
\ell_{2178} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{1331713} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{1331713} = \mathbf{Pl}(32, 3, 32, 3, 1, 0)_{30276} \\
\ell_{2179} &= \begin{bmatrix} 1 & \epsilon^{57} & \epsilon^{57} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{13256945} = \begin{bmatrix} 1 & 49 & 49 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{13256945} = \mathbf{Pl}(0, 49, 0, 49, 1, 0)_{18561} \\
\ell_{2180} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{799041} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{799041} = \mathbf{Pl}(33, 49, 48, 49, 1, 0)_{213859} \\
\ell_{2181} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{268417} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{268417} = \mathbf{Pl}(33, 49, 49, 49, 1, 0)_{213922} \\
\ell_{2182} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{12784641} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{12784641} = \mathbf{Pl}(33, 49, 3, 49, 1, 0)_{211024} \\
\ell_{2183} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{8523713} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{8523713} = \mathbf{Pl}(33, 49, 50, 49, 1, 0)_{213985} \\
\ell_{2184} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{6392321} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{6392321} = \mathbf{Pl}(33, 49, 6, 49, 1, 0)_{211213} \\
\ell_{2185} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{16779841} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{16779841} = \mathbf{Pl}(33, 49, 55, 49, 1, 0)_{214300} \\
\ell_{2186} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{4264897} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{4264897} = \mathbf{Pl}(33, 49, 5, 49, 1, 0)_{211150} \\
\ell_{2187} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{11987137} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{11987137} = \mathbf{Pl}(33, 49, 52, 49, 1, 0)_{214111} \\
\ell_{2188} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{3196161} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{3196161} = \mathbf{Pl}(33, 49, 12, 49, 1, 0)_{211591} \\
\ell_{2189} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{7191361} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{7191361} = \mathbf{Pl}(33, 49, 61, 49, 1, 0)_{214678} \\
\ell_{2190} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{12517633} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{12517633} = \mathbf{Pl}(33, 49, 15, 49, 1, 0)_{211780} \\
\ell_{2191} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{9854849} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{9854849} = \mathbf{Pl}(33, 49, 62, 49, 1, 0)_{214741} \\
\ell_{2192} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{2133441} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{2133441} = \mathbf{Pl}(33, 49, 10, 49, 1, 0)_{211465} \\
\ell_{2193} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{6927169} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{6927169} = \mathbf{Pl}(33, 49, 59, 49, 1, 0)_{214552}
\end{aligned}$$

$$\begin{aligned}
\ell_{2194} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{10121281} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{10121281} = \mathbf{Pl}(33, 49, 9, 49, 1, 0)_{211402} \\
\ell_{2195} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{5596033} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{5596033} = \mathbf{Pl}(33, 49, 56, 49, 1, 0)_{214363} \\
\ell_{2196} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{1598081} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{1598081} = \mathbf{Pl}(33, 49, 24, 49, 1, 0)_{212347} \\
\ell_{2197} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{11718849} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{11718849} = \mathbf{Pl}(33, 49, 41, 49, 1, 0)_{213418} \\
\ell_{2198} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{16245121} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{16245121} = \mathbf{Pl}(33, 49, 27, 49, 1, 0)_{212536} \\
\ell_{2199} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{7460033} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{7460033} = \mathbf{Pl}(33, 49, 42, 49, 1, 0)_{213481} \\
\ell_{2200} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{10389569} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{10389569} = \mathbf{Pl}(33, 49, 30, 49, 1, 0)_{212725} \\
\ell_{2201} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{3995201} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{3995201} = \mathbf{Pl}(33, 49, 47, 49, 1, 0)_{213796} \\
\ell_{2202} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{9058177} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{9058177} = \mathbf{Pl}(33, 49, 29, 49, 1, 0)_{212662} \\
\ell_{2203} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{10919553} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{10919553} = \mathbf{Pl}(33, 49, 44, 49, 1, 0)_{213607} \\
\ell_{2204} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{1067713} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{1067713} = \mathbf{Pl}(33, 49, 20, 49, 1, 0)_{212095} \\
\ell_{2205} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{16511553} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{16511553} = \mathbf{Pl}(33, 49, 37, 49, 1, 0)_{213166} \\
\ell_{2206} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{3464577} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{3464577} = \mathbf{Pl}(33, 49, 23, 49, 1, 0)_{212284} \\
\ell_{2207} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{2397633} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{2397633} = \mathbf{Pl}(33, 49, 38, 49, 1, 0)_{213229} \\
\ell_{2208} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{5063681} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{5063681} = \mathbf{Pl}(33, 49, 18, 49, 1, 0)_{211969} \\
\ell_{2209} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{15980801} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{15980801} = \mathbf{Pl}(33, 49, 35, 49, 1, 0)_{213040} \\
\ell_{2210} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{15448449} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{15448449} = \mathbf{Pl}(33, 49, 17, 49, 1, 0)_{211906} \\
\ell_{2211} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{13315393} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{13315393} = \mathbf{Pl}(33, 49, 32, 49, 1, 0)_{212851} \\
\ell_{2212} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{13048961} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{13048961} = \mathbf{Pl}(33, 49, 1, 49, 1, 0)_{210898} \\
\ell_{2213} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{5862465} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{5862465} = \mathbf{Pl}(33, 49, 51, 49, 1, 0)_{214048} \\
\ell_{2214} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{10655233} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{10655233} = \mathbf{Pl}(33, 49, 2, 49, 1, 0)_{210961}
\end{aligned}$$

$$\begin{aligned}
\ell_{2215} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{12253313} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{12253313} = \mathbf{Pl}(33, 49, 54, 49, 1, 0)_{214237} \\
\ell_{2216} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{2932225} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{2932225} = \mathbf{Pl}(33, 49, 7, 49, 1, 0)_{211276} \\
\ell_{2217} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{3731009} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{3731009} = \mathbf{Pl}(33, 49, 53, 49, 1, 0)_{214174} \\
\ell_{2218} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{5327617} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{5327617} = \mathbf{Pl}(33, 49, 4, 49, 1, 0)_{211087} \\
\ell_{2219} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{9322497} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{9322497} = \mathbf{Pl}(33, 49, 60, 49, 1, 0)_{214615} \\
\ell_{2220} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{6126657} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{6126657} = \mathbf{Pl}(33, 49, 13, 49, 1, 0)_{211654} \\
\ell_{2221} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{14647041} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{14647041} = \mathbf{Pl}(33, 49, 63, 49, 1, 0)_{214804} \\
\ell_{2222} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{14116545} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{14116545} = \mathbf{Pl}(33, 49, 14, 49, 1, 0)_{211717} \\
\ell_{2223} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{4529089} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{4529089} = \mathbf{Pl}(33, 49, 58, 49, 1, 0)_{214489} \\
\ell_{2224} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{1866497} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{1866497} = \mathbf{Pl}(33, 49, 11, 49, 1, 0)_{211528} \\
\ell_{2225} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{9590529} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{9590529} = \mathbf{Pl}(33, 49, 57, 49, 1, 0)_{214426} \\
\ell_{2226} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{2663809} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{2663809} = \mathbf{Pl}(33, 49, 8, 49, 1, 0)_{211339} \\
\ell_{2227} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{534849} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{534849} = \mathbf{Pl}(33, 49, 40, 49, 1, 0)_{213355} \\
\ell_{2228} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{8792001} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{8792001} = \mathbf{Pl}(33, 49, 25, 49, 1, 0)_{212410} \\
\ell_{2229} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{8258817} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{8258817} = \mathbf{Pl}(33, 49, 43, 49, 1, 0)_{213544} \\
\ell_{2230} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{15712769} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{15712769} = \mathbf{Pl}(33, 49, 26, 49, 1, 0)_{212473} \\
\ell_{2231} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{14382721} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{14382721} = \mathbf{Pl}(33, 49, 46, 49, 1, 0)_{213733} \\
\ell_{2232} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{11454273} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{11454273} = \mathbf{Pl}(33, 49, 31, 49, 1, 0)_{212788} \\
\ell_{2233} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{13848257} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{13848257} = \mathbf{Pl}(33, 49, 45, 49, 1, 0)_{213670} \\
\ell_{2234} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{11185985} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{11185985} = \mathbf{Pl}(33, 49, 28, 49, 1, 0)_{212599} \\
\ell_{2235} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{15182273} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{15182273} = \mathbf{Pl}(33, 49, 36, 49, 1, 0)_{213103}
\end{aligned}$$

$$\begin{aligned}
\ell_{2236} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{14913985} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{14913985} = \mathbf{Pl}(33, 49, 21, 49, 1, 0)_{212158} \\
\ell_{2237} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{7990401} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{7990401} = \mathbf{Pl}(33, 49, 39, 49, 1, 0)_{213292} \\
\ell_{2238} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{13583681} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{13583681} = \mathbf{Pl}(33, 49, 22, 49, 1, 0)_{212221} \\
\ell_{2239} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{7724225} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{7724225} = \mathbf{Pl}(33, 49, 34, 49, 1, 0)_{212977} \\
\ell_{2240} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{4795265} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{4795265} = \mathbf{Pl}(33, 49, 19, 49, 1, 0)_{212032} \\
\ell_{2241} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{6660737} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{6660737} = \mathbf{Pl}(33, 49, 33, 49, 1, 0)_{212914} \\
\ell_{2242} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{1331905} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{1331905} = \mathbf{Pl}(33, 49, 16, 49, 1, 0)_{211843} \\
\ell_{2243} &= \begin{bmatrix} 1 & \epsilon^{19} & \epsilon^{19} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{5954390} = \begin{bmatrix} 1 & 22 & 22 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{5954390} = \mathbf{Pl}(0, 22, 0, 22, 1, 0)_{15105} \\
\ell_{2244} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{10654785} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{10654785} = \mathbf{Pl}(34, 22, 23, 22, 1, 0)_{105122} \\
\ell_{2245} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{268481} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{268481} = \mathbf{Pl}(34, 22, 22, 22, 1, 0)_{105059} \\
\ell_{2246} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{12783681} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{12783681} = \mathbf{Pl}(34, 22, 44, 22, 1, 0)_{106445} \\
\ell_{2247} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{8523649} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{8523649} = \mathbf{Pl}(34, 22, 58, 22, 1, 0)_{107327} \\
\ell_{2248} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{6394881} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{6394881} = \mathbf{Pl}(34, 22, 57, 22, 1, 0)_{107264} \\
\ell_{2249} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{16777793} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{16777793} = \mathbf{Pl}(34, 22, 47, 22, 1, 0)_{106634} \\
\ell_{2250} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{4261825} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{4261825} = \mathbf{Pl}(34, 22, 21, 22, 1, 0)_{104996} \\
\ell_{2251} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{11985729} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{11985729} = \mathbf{Pl}(34, 22, 3, 22, 1, 0)_{103862} \\
\ell_{2252} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{3197441} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{3197441} = \mathbf{Pl}(34, 22, 19, 22, 1, 0)_{104870} \\
\ell_{2253} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{7194241} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{7194241} = \mathbf{Pl}(34, 22, 5, 22, 1, 0)_{103988} \\
\ell_{2254} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{12516609} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{12516609} = \mathbf{Pl}(34, 22, 63, 22, 1, 0)_{107642} \\
\ell_{2255} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{9854721} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{9854721} = \mathbf{Pl}(34, 22, 41, 22, 1, 0)_{106256} \\
\ell_{2256} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{2133953} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{2133953} = \mathbf{Pl}(34, 22, 42, 22, 1, 0)_{106319}
\end{aligned}$$

$$\begin{aligned}
\ell_{2257} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{6925761} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{6925761} = \mathbf{Pl}(34, 22, 60, 22, 1, 0)_{107453} \\
\ell_{2258} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{10120577} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{10120577} = \mathbf{Pl}(34, 22, 6, 22, 1, 0)_{104051} \\
\ell_{2259} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{5592769} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{5592769} = \mathbf{Pl}(34, 22, 16, 22, 1, 0)_{104681} \\
\ell_{2260} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{1598721} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{1598721} = \mathbf{Pl}(34, 22, 38, 22, 1, 0)_{106067} \\
\ell_{2261} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{11717505} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{11717505} = \mathbf{Pl}(34, 22, 48, 22, 1, 0)_{106697} \\
\ell_{2262} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{16247553} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{16247553} = \mathbf{Pl}(34, 22, 10, 22, 1, 0)_{104303} \\
\ell_{2263} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{7457729} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{7457729} = \mathbf{Pl}(34, 22, 28, 22, 1, 0)_{105437} \\
\ell_{2264} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{10389057} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{10389057} = \mathbf{Pl}(34, 22, 31, 22, 1, 0)_{105626} \\
\ell_{2265} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{3996289} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{3996289} = \mathbf{Pl}(34, 22, 9, 22, 1, 0)_{104240} \\
\ell_{2266} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{9058113} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{9058113} = \mathbf{Pl}(34, 22, 51, 22, 1, 0)_{106886} \\
\ell_{2267} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{10919169} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{10919169} = \mathbf{Pl}(34, 22, 37, 22, 1, 0)_{106004} \\
\ell_{2268} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{1067969} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{1067969} = \mathbf{Pl}(34, 22, 53, 22, 1, 0)_{107012} \\
\ell_{2269} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{16513409} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{16513409} = \mathbf{Pl}(34, 22, 35, 22, 1, 0)_{105878} \\
\ell_{2270} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{3465921} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{3465921} = \mathbf{Pl}(34, 22, 25, 22, 1, 0)_{105248} \\
\ell_{2271} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{2398081} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{2398081} = \mathbf{Pl}(34, 22, 15, 22, 1, 0)_{104618} \\
\ell_{2272} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{5060289} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{5060289} = \mathbf{Pl}(34, 22, 12, 22, 1, 0)_{104429} \\
\ell_{2273} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{15979073} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{15979073} = \mathbf{Pl}(34, 22, 26, 22, 1, 0)_{105311} \\
\ell_{2274} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{15445825} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{15445825} = \mathbf{Pl}(34, 22, 32, 22, 1, 0)_{105689} \\
\ell_{2275} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{13318529} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{13318529} = \mathbf{Pl}(34, 22, 54, 22, 1, 0)_{107075} \\
\ell_{2276} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{799361} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{799361} = \mathbf{Pl}(34, 22, 45, 22, 1, 0)_{106508} \\
\ell_{2277} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{13052161} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{13052161} = \mathbf{Pl}(34, 22, 59, 22, 1, 0)_{107390}
\end{aligned}$$

$$\begin{aligned}
\ell_{2278} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{5858753} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{5858753} = \mathbf{Pl}(34, 22, 1, 22, 1, 0)_{103736} \\
\ell_{2279} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{12252481} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{12252481} = \mathbf{Pl}(34, 22, 20, 22, 1, 0)_{104933} \\
\ell_{2280} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{2932417} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{2932417} = \mathbf{Pl}(34, 22, 2, 22, 1, 0)_{103799} \\
\ell_{2281} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{3731905} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{3731905} = \mathbf{Pl}(34, 22, 56, 22, 1, 0)_{107201} \\
\ell_{2282} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{5328385} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{5328385} = \mathbf{Pl}(34, 22, 46, 22, 1, 0)_{106571} \\
\ell_{2283} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{9322241} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{9322241} = \mathbf{Pl}(34, 22, 62, 22, 1, 0)_{107579} \\
\ell_{2284} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{6127233} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{6127233} = \mathbf{Pl}(34, 22, 40, 22, 1, 0)_{106193} \\
\ell_{2285} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{14650625} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{14650625} = \mathbf{Pl}(34, 22, 18, 22, 1, 0)_{104807} \\
\ell_{2286} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{14115649} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{14115649} = \mathbf{Pl}(34, 22, 4, 22, 1, 0)_{103925} \\
\ell_{2287} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{4530049} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{4530049} = \mathbf{Pl}(34, 22, 7, 22, 1, 0)_{104114} \\
\ell_{2288} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{1866945} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{1866945} = \mathbf{Pl}(34, 22, 17, 22, 1, 0)_{104744} \\
\ell_{2289} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{9590337} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{9590337} = \mathbf{Pl}(34, 22, 43, 22, 1, 0)_{106382} \\
\ell_{2290} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{2664193} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{2664193} = \mathbf{Pl}(34, 22, 61, 22, 1, 0)_{107516} \\
\ell_{2291} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{534977} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{534977} = \mathbf{Pl}(34, 22, 11, 22, 1, 0)_{104366} \\
\ell_{2292} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{8791873} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{8791873} = \mathbf{Pl}(34, 22, 29, 22, 1, 0)_{105500} \\
\ell_{2293} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{8256705} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{8256705} = \mathbf{Pl}(34, 22, 39, 22, 1, 0)_{106130} \\
\ell_{2294} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{15714049} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{15714049} = \mathbf{Pl}(34, 22, 49, 22, 1, 0)_{106760} \\
\ell_{2295} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{14382401} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{14382401} = \mathbf{Pl}(34, 22, 50, 22, 1, 0)_{106823} \\
\ell_{2296} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{11454017} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{11454017} = \mathbf{Pl}(34, 22, 36, 22, 1, 0)_{105941} \\
\ell_{2297} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{13851521} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{13851521} = \mathbf{Pl}(34, 22, 30, 22, 1, 0)_{105563} \\
\ell_{2298} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{11185537} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{11185537} = \mathbf{Pl}(34, 22, 8, 22, 1, 0)_{104177}
\end{aligned}$$

$$\begin{aligned}
\ell_{2299} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{15179585} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{15179585} = \mathbf{Pl}(34, 22, 24, 22, 1, 0)_{105185} \\
\ell_{2300} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{14915457} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{14915457} = \mathbf{Pl}(34, 22, 14, 22, 1, 0)_{104555} \\
\ell_{2301} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{7992577} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{7992577} = \mathbf{Pl}(34, 22, 52, 22, 1, 0)_{106949} \\
\ell_{2302} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{13582913} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{13582913} = \mathbf{Pl}(34, 22, 34, 22, 1, 0)_{105815} \\
\ell_{2303} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{7725953} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{7725953} = \mathbf{Pl}(34, 22, 33, 22, 1, 0)_{105752} \\
\ell_{2304} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{4796161} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{4796161} = \mathbf{Pl}(34, 22, 55, 22, 1, 0)_{107138} \\
\ell_{2305} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{6659265} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{6659265} = \mathbf{Pl}(34, 22, 13, 22, 1, 0)_{104492} \\
\ell_{2306} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{1332097} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{1332097} = \mathbf{Pl}(34, 22, 27, 22, 1, 0)_{105374} \\
\ell_{2307} &= \begin{bmatrix} 1 & \epsilon^{56} & \epsilon^{56} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10822760} = \begin{bmatrix} 1 & 40 & 40 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10822760} = \mathbf{Pl}(0, 40, 0, 40, 1, 0)_{17409} \\
\ell_{2308} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{5860161} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{5860161} = \mathbf{Pl}(35, 40, 41, 40, 1, 0)_{177699} \\
\ell_{2309} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{268545} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{268545} = \mathbf{Pl}(35, 40, 40, 40, 1, 0)_{177636} \\
\ell_{2310} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{12784705} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{12784705} = \mathbf{Pl}(35, 40, 49, 40, 1, 0)_{178203} \\
\ell_{2311} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{8525697} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{8525697} = \mathbf{Pl}(35, 40, 25, 40, 1, 0)_{176691} \\
\ell_{2312} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{6393345} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{6393345} = \mathbf{Pl}(35, 40, 3, 40, 1, 0)_{175305} \\
\ell_{2313} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{16780545} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{16780545} = \mathbf{Pl}(35, 40, 43, 40, 1, 0)_{177825} \\
\ell_{2314} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{4262849} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{4262849} = \mathbf{Pl}(35, 40, 50, 40, 1, 0)_{178266} \\
\ell_{2315} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{11984513} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{11984513} = \mathbf{Pl}(35, 40, 26, 40, 1, 0)_{176754} \\
\ell_{2316} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{3196673} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{3196673} = \mathbf{Pl}(35, 40, 6, 40, 1, 0)_{175494} \\
\ell_{2317} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{7192513} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{7192513} = \mathbf{Pl}(35, 40, 46, 40, 1, 0)_{178014} \\
\ell_{2318} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{12518977} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{12518977} = \mathbf{Pl}(35, 40, 55, 40, 1, 0)_{178581} \\
\ell_{2319} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{9856449} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{9856449} = \mathbf{Pl}(35, 40, 31, 40, 1, 0)_{177069}
\end{aligned}$$

$$\begin{aligned}
\ell_{2320} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{2134465} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{2134465} = \mathbf{Pl}(35, 40, 5, 40, 1, 0)_{175431} \\
\ell_{2321} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{6924353} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{6924353} = \mathbf{Pl}(35, 40, 45, 40, 1, 0)_{177951} \\
\ell_{2322} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{10123009} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{10123009} = \mathbf{Pl}(35, 40, 52, 40, 1, 0)_{178392} \\
\ell_{2323} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{5593601} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{5593601} = \mathbf{Pl}(35, 40, 28, 40, 1, 0)_{176880} \\
\ell_{2324} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{1598337} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{1598337} = \mathbf{Pl}(35, 40, 12, 40, 1, 0)_{175872} \\
\ell_{2325} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{11720321} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{11720321} = \mathbf{Pl}(35, 40, 36, 40, 1, 0)_{177384} \\
\ell_{2326} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{16245697} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{16245697} = \mathbf{Pl}(35, 40, 61, 40, 1, 0)_{178959} \\
\ell_{2327} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{7457473} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{7457473} = \mathbf{Pl}(35, 40, 21, 40, 1, 0)_{176439} \\
\ell_{2328} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{10387201} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{10387201} = \mathbf{Pl}(35, 40, 15, 40, 1, 0)_{176061} \\
\ell_{2329} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{3995841} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{3995841} = \mathbf{Pl}(35, 40, 39, 40, 1, 0)_{177573} \\
\ell_{2330} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{9055937} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{9055937} = \mathbf{Pl}(35, 40, 62, 40, 1, 0)_{179022} \\
\ell_{2331} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{10920641} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{10920641} = \mathbf{Pl}(35, 40, 22, 40, 1, 0)_{176502} \\
\ell_{2332} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{1068225} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{1068225} = \mathbf{Pl}(35, 40, 10, 40, 1, 0)_{175746} \\
\ell_{2333} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{16512257} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{16512257} = \mathbf{Pl}(35, 40, 34, 40, 1, 0)_{177258} \\
\ell_{2334} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{3465217} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{3465217} = \mathbf{Pl}(35, 40, 59, 40, 1, 0)_{178833} \\
\ell_{2335} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{2398529} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{2398529} = \mathbf{Pl}(35, 40, 19, 40, 1, 0)_{176313} \\
\ell_{2336} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{5061505} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{5061505} = \mathbf{Pl}(35, 40, 9, 40, 1, 0)_{175683} \\
\ell_{2337} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{15981377} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{15981377} = \mathbf{Pl}(35, 40, 33, 40, 1, 0)_{177195} \\
\ell_{2338} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{15449281} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{15449281} = \mathbf{Pl}(35, 40, 56, 40, 1, 0)_{178644} \\
\ell_{2339} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{13315585} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{13315585} = \mathbf{Pl}(35, 40, 16, 40, 1, 0)_{176124} \\
\ell_{2340} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{799169} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{799169} = \mathbf{Pl}(35, 40, 24, 40, 1, 0)_{176628}
\end{aligned}$$

$$\begin{aligned}
\ell_{2341} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{13049025} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{13049025} = \mathbf{Pl}(35, 40, 48, 40, 1, 0)_{178140} \\
\ell_{2342} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{10652225} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{10652225} = \mathbf{Pl}(35, 40, 1, 40, 1, 0)_{175179} \\
\ell_{2343} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{12250561} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{12250561} = \mathbf{Pl}(35, 40, 27, 40, 1, 0)_{176817} \\
\ell_{2344} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{2933121} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{2933121} = \mathbf{Pl}(35, 40, 51, 40, 1, 0)_{178329} \\
\ell_{2345} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{3731777} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{3731777} = \mathbf{Pl}(35, 40, 42, 40, 1, 0)_{177762} \\
\ell_{2346} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{5329153} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{5329153} = \mathbf{Pl}(35, 40, 2, 40, 1, 0)_{175242} \\
\ell_{2347} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{9324353} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{9324353} = \mathbf{Pl}(35, 40, 30, 40, 1, 0)_{177006} \\
\ell_{2348} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{6128321} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{6128321} = \mathbf{Pl}(35, 40, 54, 40, 1, 0)_{178518} \\
\ell_{2349} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{14647361} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{14647361} = \mathbf{Pl}(35, 40, 47, 40, 1, 0)_{178077} \\
\ell_{2350} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{14116993} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{14116993} = \mathbf{Pl}(35, 40, 7, 40, 1, 0)_{175557} \\
\ell_{2351} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{4531009} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{4531009} = \mathbf{Pl}(35, 40, 29, 40, 1, 0)_{176943} \\
\ell_{2352} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{1866881} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{1866881} = \mathbf{Pl}(35, 40, 53, 40, 1, 0)_{178455} \\
\ell_{2353} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{9588033} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{9588033} = \mathbf{Pl}(35, 40, 44, 40, 1, 0)_{177888} \\
\ell_{2354} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{2664577} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{2664577} = \mathbf{Pl}(35, 40, 4, 40, 1, 0)_{175368} \\
\ell_{2355} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{535105} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{535105} = \mathbf{Pl}(35, 40, 20, 40, 1, 0)_{176376} \\
\ell_{2356} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{8789889} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{8789889} = \mathbf{Pl}(35, 40, 60, 40, 1, 0)_{178896} \\
\ell_{2357} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{8256129} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{8256129} = \mathbf{Pl}(35, 40, 37, 40, 1, 0)_{177447} \\
\ell_{2358} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{15713601} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{15713601} = \mathbf{Pl}(35, 40, 13, 40, 1, 0)_{175935} \\
\ell_{2359} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{14383041} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{14383041} = \mathbf{Pl}(35, 40, 23, 40, 1, 0)_{176565} \\
\ell_{2360} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{11451393} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{11451393} = \mathbf{Pl}(35, 40, 63, 40, 1, 0)_{179085} \\
\ell_{2361} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{13848705} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{13848705} = \mathbf{Pl}(35, 40, 38, 40, 1, 0)_{177510}
\end{aligned}$$

$$\begin{aligned}
\ell_{2362} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{11187201} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{11187201} = \mathbf{Pl}(35, 40, 14, 40, 1, 0)_{175998} \\
\ell_{2363} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{15183233} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{15183233} = \mathbf{Pl}(35, 40, 18, 40, 1, 0)_{176250} \\
\ell_{2364} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{14914945} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{14914945} = \mathbf{Pl}(35, 40, 58, 40, 1, 0)_{178770} \\
\ell_{2365} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{7991681} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{7991681} = \mathbf{Pl}(35, 40, 35, 40, 1, 0)_{177321} \\
\ell_{2366} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{13583873} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{13583873} = \mathbf{Pl}(35, 40, 11, 40, 1, 0)_{175809} \\
\ell_{2367} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{7725633} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{7725633} = \mathbf{Pl}(35, 40, 17, 40, 1, 0)_{176187} \\
\ell_{2368} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{4797057} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{4797057} = \mathbf{Pl}(35, 40, 57, 40, 1, 0)_{178707} \\
\ell_{2369} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{6657793} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{6657793} = \mathbf{Pl}(35, 40, 32, 40, 1, 0)_{177132} \\
\ell_{2370} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{1332289} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{1332289} = \mathbf{Pl}(35, 40, 8, 40, 1, 0)_{175620} \\
\ell_{2371} &= \begin{bmatrix} 1 & \epsilon^{27} & \epsilon^{27} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12445550} = \begin{bmatrix} 1 & 46 & 46 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12445550} = \mathbf{Pl}(0, 46, 0, 46, 1, 0)_{18177} \\
\ell_{2372} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{2929985} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{2929985} = \mathbf{Pl}(36, 46, 47, 46, 1, 0)_{201892} \\
\ell_{2373} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{268609} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{268609} = \mathbf{Pl}(36, 46, 46, 46, 1, 0)_{201829} \\
\ell_{2374} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{12783745} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{12783745} = \mathbf{Pl}(36, 46, 61, 46, 1, 0)_{202774} \\
\ell_{2375} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{8523521} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{8523521} = \mathbf{Pl}(36, 46, 19, 46, 1, 0)_{200128} \\
\ell_{2376} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{6391873} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{6391873} = \mathbf{Pl}(36, 46, 27, 46, 1, 0)_{200632} \\
\ell_{2377} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{16779905} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{16779905} = \mathbf{Pl}(36, 46, 53, 46, 1, 0)_{202270} \\
\ell_{2378} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{4261761} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{4261761} = \mathbf{Pl}(36, 46, 38, 46, 1, 0)_{201325} \\
\ell_{2379} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{11984449} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{11984449} = \mathbf{Pl}(36, 46, 8, 46, 1, 0)_{199435} \\
\ell_{2380} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{3198977} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{3198977} = \mathbf{Pl}(36, 46, 54, 46, 1, 0)_{202333} \\
\ell_{2381} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{7190465} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{7190465} = \mathbf{Pl}(36, 46, 24, 46, 1, 0)_{200443} \\
\ell_{2382} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{12518657} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{12518657} = \mathbf{Pl}(36, 46, 11, 46, 1, 0)_{199624}
\end{aligned}$$

$$\begin{aligned}
\ell_{2383} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{9853953} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{9853953} = \mathbf{Pl}(36, 46, 37, 46, 1, 0)_{201262} \\
\ell_{2384} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{2130881} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{2130881} = \mathbf{Pl}(36, 46, 45, 46, 1, 0)_{201766} \\
\ell_{2385} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{6925953} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{6925953} = \mathbf{Pl}(36, 46, 3, 46, 1, 0)_{199120} \\
\ell_{2386} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{10119937} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{10119937} = \mathbf{Pl}(36, 46, 16, 46, 1, 0)_{199939} \\
\ell_{2387} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{5593985} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{5593985} = \mathbf{Pl}(36, 46, 62, 46, 1, 0)_{202837} \\
\ell_{2388} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{1599489} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{1599489} = \mathbf{Pl}(36, 46, 13, 46, 1, 0)_{199750} \\
\ell_{2389} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{11719937} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{11719937} = \mathbf{Pl}(36, 46, 35, 46, 1, 0)_{201136} \\
\ell_{2390} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{16244673} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{16244673} = \mathbf{Pl}(36, 46, 48, 46, 1, 0)_{201955} \\
\ell_{2391} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{7460225} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{7460225} = \mathbf{Pl}(36, 46, 30, 46, 1, 0)_{200821} \\
\ell_{2392} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{10388033} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{10388033} = \mathbf{Pl}(36, 46, 22, 46, 1, 0)_{200317} \\
\ell_{2393} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{3998209} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{3998209} = \mathbf{Pl}(36, 46, 56, 46, 1, 0)_{202459} \\
\ell_{2394} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{9057729} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{9057729} = \mathbf{Pl}(36, 46, 43, 46, 1, 0)_{201640} \\
\ell_{2395} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{10922497} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{10922497} = \mathbf{Pl}(36, 46, 5, 46, 1, 0)_{199246} \\
\ell_{2396} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{1068481} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{1068481} = \mathbf{Pl}(36, 46, 59, 46, 1, 0)_{202648} \\
\ell_{2397} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{16511809} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{16511809} = \mathbf{Pl}(36, 46, 21, 46, 1, 0)_{200254} \\
\ell_{2398} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{3462977} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{3462977} = \mathbf{Pl}(36, 46, 6, 46, 1, 0)_{199309} \\
\ell_{2399} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{2398977} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{2398977} = \mathbf{Pl}(36, 46, 40, 46, 1, 0)_{201451} \\
\ell_{2400} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{5059969} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{5059969} = \mathbf{Pl}(36, 46, 32, 46, 1, 0)_{200947} \\
\ell_{2401} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{15980673} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{15980673} = \mathbf{Pl}(36, 46, 14, 46, 1, 0)_{199813} \\
\ell_{2402} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{15449473} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{15449473} = \mathbf{Pl}(36, 46, 29, 46, 1, 0)_{200758} \\
\ell_{2403} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{13318977} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{13318977} = \mathbf{Pl}(36, 46, 51, 46, 1, 0)_{202144}
\end{aligned}$$

$$\begin{aligned}
\ell_{2404} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{799745} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{799745} = \mathbf{Pl}(36, 46, 26, 46, 1, 0)_{200569} \\
\ell_{2405} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{13052353} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{13052353} = \mathbf{Pl}(36, 46, 52, 46, 1, 0)_{202207} \\
\ell_{2406} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{5859969} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{5859969} = \mathbf{Pl}(36, 46, 39, 46, 1, 0)_{201388} \\
\ell_{2407} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{10653889} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{10653889} = \mathbf{Pl}(36, 46, 9, 46, 1, 0)_{199498} \\
\ell_{2408} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{12250049} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{12250049} = \mathbf{Pl}(36, 46, 1, 46, 1, 0)_{198994} \\
\ell_{2409} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{3730113} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{3730113} = \mathbf{Pl}(36, 46, 60, 46, 1, 0)_{202711} \\
\ell_{2410} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{5329985} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{5329985} = \mathbf{Pl}(36, 46, 18, 46, 1, 0)_{200065} \\
\ell_{2411} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{9321729} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{9321729} = \mathbf{Pl}(36, 46, 44, 46, 1, 0)_{201703} \\
\ell_{2412} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{6128065} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{6128065} = \mathbf{Pl}(36, 46, 2, 46, 1, 0)_{199057} \\
\ell_{2413} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{14649537} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{14649537} = \mathbf{Pl}(36, 46, 17, 46, 1, 0)_{200002} \\
\ell_{2414} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{14114433} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{14114433} = \mathbf{Pl}(36, 46, 63, 46, 1, 0)_{202900} \\
\ell_{2415} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{4529857} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{4529857} = \mathbf{Pl}(36, 46, 55, 46, 1, 0)_{202396} \\
\ell_{2416} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{1868097} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{1868097} = \mathbf{Pl}(36, 46, 25, 46, 1, 0)_{200506} \\
\ell_{2417} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{9589953} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{9589953} = \mathbf{Pl}(36, 46, 10, 46, 1, 0)_{199561} \\
\ell_{2418} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{2665985} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{2665985} = \mathbf{Pl}(36, 46, 36, 46, 1, 0)_{201199} \\
\ell_{2419} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{535233} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{535233} = \mathbf{Pl}(36, 46, 23, 46, 1, 0)_{200380} \\
\ell_{2420} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{8791617} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{8791617} = \mathbf{Pl}(36, 46, 57, 46, 1, 0)_{202522} \\
\ell_{2421} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{8258945} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{8258945} = \mathbf{Pl}(36, 46, 42, 46, 1, 0)_{201577} \\
\ell_{2422} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{15713473} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{15713473} = \mathbf{Pl}(36, 46, 4, 46, 1, 0)_{199183} \\
\ell_{2423} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{14380929} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{14380929} = \mathbf{Pl}(36, 46, 12, 46, 1, 0)_{199687} \\
\ell_{2424} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{11452481} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{11452481} = \mathbf{Pl}(36, 46, 34, 46, 1, 0)_{201073}
\end{aligned}$$

$$\begin{aligned}
\ell_{2425} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{13849921} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{13849921} = \mathbf{Pl}(36, 46, 49, 46, 1, 0)_{202018} \\
\ell_{2426} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{11187969} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{11187969} = \mathbf{Pl}(36, 46, 31, 46, 1, 0)_{200884} \\
\ell_{2427} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{15182465} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{15182465} = \mathbf{Pl}(36, 46, 33, 46, 1, 0)_{201010} \\
\ell_{2428} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{14914369} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{14914369} = \mathbf{Pl}(36, 46, 15, 46, 1, 0)_{199876} \\
\ell_{2429} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{7990337} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{7990337} = \mathbf{Pl}(36, 46, 28, 46, 1, 0)_{200695} \\
\ell_{2430} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{13583489} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{13583489} = \mathbf{Pl}(36, 46, 50, 46, 1, 0)_{202081} \\
\ell_{2431} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{7724737} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{7724737} = \mathbf{Pl}(36, 46, 58, 46, 1, 0)_{202585} \\
\ell_{2432} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{4795969} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{4795969} = \mathbf{Pl}(36, 46, 20, 46, 1, 0)_{200191} \\
\ell_{2433} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{6660481} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{6660481} = \mathbf{Pl}(36, 46, 7, 46, 1, 0)_{199372} \\
\ell_{2434} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{1332993} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{1332993} = \mathbf{Pl}(36, 46, 41, 46, 1, 0)_{201514} \\
\ell_{2435} &= \begin{bmatrix} 1 & \epsilon^{18} & \epsilon^{18} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2979275} = \begin{bmatrix} 1 & 11 & 11 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2979275} = \mathbf{Pl}(0, 11, 0, 11, 1, 0)_{13697} \\
\ell_{2436} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{12252993} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{12252993} = \mathbf{Pl}(37, 11, 10, 11, 1, 0)_{60647} \\
\ell_{2437} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{268673} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{268673} = \mathbf{Pl}(37, 11, 11, 11, 1, 0)_{60710} \\
\ell_{2438} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{12784769} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{12784769} = \mathbf{Pl}(37, 11, 22, 11, 1, 0)_{61403} \\
\ell_{2439} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{8525569} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{8525569} = \mathbf{Pl}(37, 11, 29, 11, 1, 0)_{61844} \\
\ell_{2440} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{6392385} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{6392385} = \mathbf{Pl}(37, 11, 44, 11, 1, 0)_{62789} \\
\ell_{2441} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{16778433} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{16778433} = \mathbf{Pl}(37, 11, 39, 11, 1, 0)_{62474} \\
\ell_{2442} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{4262785} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{4262785} = \mathbf{Pl}(37, 11, 58, 11, 1, 0)_{63671} \\
\ell_{2443} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{11985793} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{11985793} = \mathbf{Pl}(37, 11, 49, 11, 1, 0)_{63104} \\
\ell_{2444} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{3199233} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{3199233} = \mathbf{Pl}(37, 11, 57, 11, 1, 0)_{63608} \\
\ell_{2445} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{7192193} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{7192193} = \mathbf{Pl}(37, 11, 50, 11, 1, 0)_{63167}
\end{aligned}$$

$$\begin{aligned}
\ell_{2446} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{12516929} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{12516929} = \mathbf{Pl}(37, 11, 47, 11, 1, 0)_{62978} \\
\ell_{2447} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{9856193} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{9856193} = \mathbf{Pl}(37, 11, 36, 11, 1, 0)_{62285} \\
\ell_{2448} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{2131393} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{2131393} = \mathbf{Pl}(37, 11, 21, 11, 1, 0)_{61340} \\
\ell_{2449} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{6927617} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{6927617} = \mathbf{Pl}(37, 11, 30, 11, 1, 0)_{61907} \\
\ell_{2450} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{10121601} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{10121601} = \mathbf{Pl}(37, 11, 3, 11, 1, 0)_{60206} \\
\ell_{2451} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{5593153} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{5593153} = \mathbf{Pl}(37, 11, 8, 11, 1, 0)_{60521} \\
\ell_{2452} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{1599617} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{1599617} = \mathbf{Pl}(37, 11, 19, 11, 1, 0)_{61214} \\
\ell_{2453} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{11717633} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{11717633} = \mathbf{Pl}(37, 11, 24, 11, 1, 0)_{61529} \\
\ell_{2454} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{16248577} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{16248577} = \mathbf{Pl}(37, 11, 5, 11, 1, 0)_{60332} \\
\ell_{2455} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{7458945} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{7458945} = \mathbf{Pl}(37, 11, 14, 11, 1, 0)_{60899} \\
\ell_{2456} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{10386177} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{10386177} = \mathbf{Pl}(37, 11, 63, 11, 1, 0)_{63986} \\
\ell_{2457} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{3998017} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{3998017} = \mathbf{Pl}(37, 11, 52, 11, 1, 0)_{63293} \\
\ell_{2458} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{9055809} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{9055809} = \mathbf{Pl}(37, 11, 41, 11, 1, 0)_{62600} \\
\ell_{2459} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{10919873} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{10919873} = \mathbf{Pl}(37, 11, 34, 11, 1, 0)_{62159} \\
\ell_{2460} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{1068737} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{1068737} = \mathbf{Pl}(37, 11, 42, 11, 1, 0)_{62663} \\
\ell_{2461} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{16513985} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{16513985} = \mathbf{Pl}(37, 11, 33, 11, 1, 0)_{62096} \\
\ell_{2462} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{3463809} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{3463809} = \mathbf{Pl}(37, 11, 60, 11, 1, 0)_{63797} \\
\ell_{2463} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{2399425} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{2399425} = \mathbf{Pl}(37, 11, 55, 11, 1, 0)_{63482} \\
\ell_{2464} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{5060801} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{5060801} = \mathbf{Pl}(37, 11, 6, 11, 1, 0)_{60395} \\
\ell_{2465} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{15979905} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{15979905} = \mathbf{Pl}(37, 11, 13, 11, 1, 0)_{60836} \\
\ell_{2466} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{15446017} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{15446017} = \mathbf{Pl}(37, 11, 16, 11, 1, 0)_{61025}
\end{aligned}$$

$$\begin{aligned}
\ell_{2467} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{13315777} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{13315777} = \mathbf{Pl}(37, 11, 27, 11, 1, 0)_{61718} \\
\ell_{2468} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{799809} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{799809} = \mathbf{Pl}(37, 11, 38, 11, 1, 0)_{62411} \\
\ell_{2469} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{13049345} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{13049345} = \mathbf{Pl}(37, 11, 45, 11, 1, 0)_{62852} \\
\ell_{2470} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{5858817} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{5858817} = \mathbf{Pl}(37, 11, 48, 11, 1, 0)_{63041} \\
\ell_{2471} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{10655425} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{10655425} = \mathbf{Pl}(37, 11, 59, 11, 1, 0)_{63734} \\
\ell_{2472} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{2929409} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{2929409} = \mathbf{Pl}(37, 11, 1, 11, 1, 0)_{60080} \\
\ell_{2473} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{3729473} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{3729473} = \mathbf{Pl}(37, 11, 28, 11, 1, 0)_{61781} \\
\ell_{2474} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{5328705} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{5328705} = \mathbf{Pl}(37, 11, 23, 11, 1, 0)_{61466} \\
\ell_{2475} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{9323841} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{9323841} = \mathbf{Pl}(37, 11, 31, 11, 1, 0)_{61970} \\
\ell_{2476} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{6127489} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{6127489} = \mathbf{Pl}(37, 11, 20, 11, 1, 0)_{61277} \\
\ell_{2477} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{14648449} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{14648449} = \mathbf{Pl}(37, 11, 9, 11, 1, 0)_{60584} \\
\ell_{2478} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{14117185} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{14117185} = \mathbf{Pl}(37, 11, 2, 11, 1, 0)_{60143} \\
\ell_{2479} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{4530945} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{4530945} = \mathbf{Pl}(37, 11, 51, 11, 1, 0)_{63230} \\
\ell_{2480} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{1867777} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{1867777} = \mathbf{Pl}(37, 11, 56, 11, 1, 0)_{63545} \\
\ell_{2481} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{9587649} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{9587649} = \mathbf{Pl}(37, 11, 37, 11, 1, 0)_{62348} \\
\ell_{2482} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{2665345} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{2665345} = \mathbf{Pl}(37, 11, 46, 11, 1, 0)_{62915} \\
\ell_{2483} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{535361} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{535361} = \mathbf{Pl}(37, 11, 53, 11, 1, 0)_{63356} \\
\ell_{2484} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{8789633} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{8789633} = \mathbf{Pl}(37, 11, 62, 11, 1, 0)_{63923} \\
\ell_{2485} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{8257985} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{8257985} = \mathbf{Pl}(37, 11, 35, 11, 1, 0)_{62222} \\
\ell_{2486} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{15714177} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{15714177} = \mathbf{Pl}(37, 11, 40, 11, 1, 0)_{62537} \\
\ell_{2487} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{14384385} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{14384385} = \mathbf{Pl}(37, 11, 25, 11, 1, 0)_{61592}
\end{aligned}$$

$$\begin{aligned}
\ell_{2488} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{11454977} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{11454977} = \mathbf{Pl}(37, 11, 18, 11, 1, 0)_{61151} \\
\ell_{2489} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{13849153} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{13849153} = \mathbf{Pl}(37, 11, 15, 11, 1, 0)_{60962} \\
\ell_{2490} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{11186305} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{11186305} = \mathbf{Pl}(37, 11, 4, 11, 1, 0)_{60269} \\
\ell_{2491} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{15179841} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{15179841} = \mathbf{Pl}(37, 11, 12, 11, 1, 0)_{60773} \\
\ell_{2492} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{14915905} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{14915905} = \mathbf{Pl}(37, 11, 7, 11, 1, 0)_{60458} \\
\ell_{2493} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{7989953} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{7989953} = \mathbf{Pl}(37, 11, 26, 11, 1, 0)_{61655} \\
\ell_{2494} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{13584321} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{13584321} = \mathbf{Pl}(37, 11, 17, 11, 1, 0)_{61088} \\
\ell_{2495} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{7723009} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{7723009} = \mathbf{Pl}(37, 11, 32, 11, 1, 0)_{62033} \\
\ell_{2496} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{4796865} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{4796865} = \mathbf{Pl}(37, 11, 43, 11, 1, 0)_{62726} \\
\ell_{2497} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{6660929} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{6660929} = \mathbf{Pl}(37, 11, 54, 11, 1, 0)_{63419} \\
\ell_{2498} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{1332673} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{1332673} = \mathbf{Pl}(37, 11, 61, 11, 1, 0)_{63860} \\
\ell_{2499} &= \begin{bmatrix} 1 & \epsilon^{40} & \epsilon^{40} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{3790670} = \begin{bmatrix} 1 & 14 & 14 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{3790670} = \mathbf{Pl}(0, 14, 0, 14, 1, 0)_{14081} \\
\ell_{2500} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{5327425} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{5327425} = \mathbf{Pl}(38, 14, 15, 14, 1, 0)_{72870} \\
\ell_{2501} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{268737} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{268737} = \mathbf{Pl}(38, 14, 14, 14, 1, 0)_{72807} \\
\ell_{2502} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{12783809} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{12783809} = \mathbf{Pl}(38, 14, 28, 14, 1, 0)_{73689} \\
\ell_{2503} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{8525633} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{8525633} = \mathbf{Pl}(38, 14, 18, 14, 1, 0)_{73059} \\
\ell_{2504} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{6394945} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{6394945} = \mathbf{Pl}(38, 14, 56, 14, 1, 0)_{75453} \\
\ell_{2505} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{16780481} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{16780481} = \mathbf{Pl}(38, 14, 54, 14, 1, 0)_{75327} \\
\ell_{2506} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{4263809} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{4263809} = \mathbf{Pl}(38, 14, 36, 14, 1, 0)_{74193} \\
\ell_{2507} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{11987201} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{11987201} = \mathbf{Pl}(38, 14, 42, 14, 1, 0)_{74571} \\
\ell_{2508} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{3198465} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{3198465} = \mathbf{Pl}(38, 14, 17, 14, 1, 0)_{72996}
\end{aligned}$$

$$\begin{aligned}
\ell_{2509} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{7193409} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{7193409} = \mathbf{PI}(38, 14, 31, 14, 1, 0)_{73878} \\
\ell_{2510} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{12517953} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{12517953} = \mathbf{PI}(38, 14, 13, 14, 1, 0)_{72744} \\
\ell_{2511} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{9855297} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{9855297} = \mathbf{PI}(38, 14, 3, 14, 1, 0)_{72114} \\
\ell_{2512} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{2131905} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{2131905} = \mathbf{PI}(38, 14, 41, 14, 1, 0)_{74508} \\
\ell_{2513} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{6925185} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{6925185} = \mathbf{PI}(38, 14, 39, 14, 1, 0)_{74382} \\
\ell_{2514} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{10122305} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{10122305} = \mathbf{PI}(38, 14, 53, 14, 1, 0)_{75264} \\
\ell_{2515} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{5595649} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{5595649} = \mathbf{PI}(38, 14, 59, 14, 1, 0)_{75642} \\
\ell_{2516} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{1599233} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{1599233} = \mathbf{PI}(38, 14, 34, 14, 1, 0)_{74067} \\
\ell_{2517} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{11718465} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{11718465} = \mathbf{PI}(38, 14, 44, 14, 1, 0)_{74697} \\
\ell_{2518} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{16246145} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{16246145} = \mathbf{PI}(38, 14, 62, 14, 1, 0)_{75831} \\
\ell_{2519} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{7456641} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{7456641} = \mathbf{PI}(38, 14, 48, 14, 1, 0)_{74949} \\
\ell_{2520} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{10386689} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{10386689} = \mathbf{PI}(38, 14, 26, 14, 1, 0)_{73563} \\
\ell_{2521} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{3997057} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{3997057} = \mathbf{PI}(38, 14, 20, 14, 1, 0)_{73185} \\
\ell_{2522} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{9055361} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{9055361} = \mathbf{PI}(38, 14, 6, 14, 1, 0)_{72303} \\
\ell_{2523} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{10919233} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{10919233} = \mathbf{PI}(38, 14, 8, 14, 1, 0)_{72429} \\
\ell_{2524} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{1068993} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{1068993} = \mathbf{PI}(38, 14, 51, 14, 1, 0)_{75138} \\
\ell_{2525} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{16512001} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{16512001} = \mathbf{PI}(38, 14, 61, 14, 1, 0)_{75768} \\
\ell_{2526} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{3462593} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{3462593} = \mathbf{PI}(38, 14, 47, 14, 1, 0)_{74886} \\
\ell_{2527} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{2399873} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{2399873} = \mathbf{PI}(38, 14, 33, 14, 1, 0)_{74004} \\
\ell_{2528} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{5062145} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{5062145} = \mathbf{PI}(38, 14, 11, 14, 1, 0)_{72618} \\
\ell_{2529} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{15982273} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{15982273} = \mathbf{PI}(38, 14, 5, 14, 1, 0)_{72240}
\end{aligned}$$

$$\begin{aligned}
\ell_{2530} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{15448257} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{15448257} = \mathbf{Pl}(38, 14, 23, 14, 1, 0)_{73374} \\
\ell_{2531} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{13319169} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{13319169} = \mathbf{Pl}(38, 14, 25, 14, 1, 0)_{73500} \\
\ell_{2532} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{799617} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{799617} = \mathbf{Pl}(38, 14, 37, 14, 1, 0)_{74256} \\
\ell_{2533} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{13052289} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{13052289} = \mathbf{Pl}(38, 14, 43, 14, 1, 0)_{74634} \\
\ell_{2534} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{5862273} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{5862273} = \mathbf{Pl}(38, 14, 57, 14, 1, 0)_{75516} \\
\ell_{2535} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{10654849} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{10654849} = \mathbf{Pl}(38, 14, 55, 14, 1, 0)_{75390} \\
\ell_{2536} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{12253825} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{12253825} = \mathbf{Pl}(38, 14, 29, 14, 1, 0)_{73752} \\
\ell_{2537} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{2931137} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{2931137} = \mathbf{Pl}(38, 14, 19, 14, 1, 0)_{73122} \\
\ell_{2538} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{3728321} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{3728321} = \mathbf{Pl}(38, 14, 1, 14, 1, 0)_{71988} \\
\ell_{2539} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{9324097} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{9324097} = \mathbf{Pl}(38, 14, 52, 14, 1, 0)_{75201} \\
\ell_{2540} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{6126913} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{6126913} = \mathbf{Pl}(38, 14, 58, 14, 1, 0)_{75579} \\
\ell_{2541} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{14648961} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{14648961} = \mathbf{Pl}(38, 14, 40, 14, 1, 0)_{74445} \\
\ell_{2542} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{14115009} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{14115009} = \mathbf{Pl}(38, 14, 38, 14, 1, 0)_{74319} \\
\ell_{2543} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{4527681} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{4527681} = \mathbf{Pl}(38, 14, 12, 14, 1, 0)_{72681} \\
\ell_{2544} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{1867201} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{1867201} = \mathbf{Pl}(38, 14, 2, 14, 1, 0)_{72051} \\
\ell_{2545} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{9587329} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{9587329} = \mathbf{Pl}(38, 14, 16, 14, 1, 0)_{72933} \\
\ell_{2546} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{2666753} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{2666753} = \mathbf{Pl}(38, 14, 30, 14, 1, 0)_{73815} \\
\ell_{2547} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{535489} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{535489} = \mathbf{Pl}(38, 14, 7, 14, 1, 0)_{72366} \\
\ell_{2548} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{8789761} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{8789761} = \mathbf{Pl}(38, 14, 9, 14, 1, 0)_{72492} \\
\ell_{2549} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{8256001} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{8256001} = \mathbf{Pl}(38, 14, 27, 14, 1, 0)_{73626} \\
\ell_{2550} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{15712897} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{15712897} = \mathbf{Pl}(38, 14, 21, 14, 1, 0)_{73248}
\end{aligned}$$

$$\begin{aligned}
\ell_{2551} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{14380737} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{14380737} = \mathbf{PI}(38, 14, 63, 14, 1, 0)_{75894} \\
\ell_{2552} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{11453185} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{11453185} = \mathbf{PI}(38, 14, 49, 14, 1, 0)_{75012} \\
\ell_{2553} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{13850369} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{13850369} = \mathbf{PI}(38, 14, 35, 14, 1, 0)_{74130} \\
\ell_{2554} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{11185217} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{11185217} = \mathbf{PI}(38, 14, 45, 14, 1, 0)_{74760} \\
\ell_{2555} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{15181505} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{15181505} = \mathbf{PI}(38, 14, 22, 14, 1, 0)_{73311} \\
\ell_{2556} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{14913281} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{14913281} = \mathbf{PI}(38, 14, 24, 14, 1, 0)_{73437} \\
\ell_{2557} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{7992129} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{7992129} = \mathbf{PI}(38, 14, 10, 14, 1, 0)_{72555} \\
\ell_{2558} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{13583041} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{13583041} = \mathbf{PI}(38, 14, 4, 14, 1, 0)_{72177} \\
\ell_{2559} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{7725121} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{7725121} = \mathbf{PI}(38, 14, 46, 14, 1, 0)_{74823} \\
\ell_{2560} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{4793665} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{4793665} = \mathbf{PI}(38, 14, 32, 14, 1, 0)_{73941} \\
\ell_{2561} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{6659585} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{6659585} = \mathbf{PI}(38, 14, 50, 14, 1, 0)_{75075} \\
\ell_{2562} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{1333377} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{1333377} = \mathbf{PI}(38, 14, 60, 14, 1, 0)_{75705} \\
\ell_{2563} &= \begin{bmatrix} 1 & \epsilon^{55} & \epsilon^{55} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{5413460} = \begin{bmatrix} 1 & 20 & 20 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{5413460} = \mathbf{PI}(0, 20, 0, 20, 1, 0)_{14849} \\
\ell_{2564} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{3729217} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{3729217} = \mathbf{PI}(39, 20, 21, 20, 1, 0)_{97063} \\
\ell_{2565} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{268801} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{268801} = \mathbf{PI}(39, 20, 20, 20, 1, 0)_{97000} \\
\ell_{2566} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{12784833} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{12784833} = \mathbf{PI}(39, 20, 40, 20, 1, 0)_{98260} \\
\ell_{2567} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{8523585} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{8523585} = \mathbf{PI}(39, 20, 60, 20, 1, 0)_{99520} \\
\ell_{2568} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{6393409} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{6393409} = \mathbf{PI}(39, 20, 49, 20, 1, 0)_{98827} \\
\ell_{2569} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{16777857} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{16777857} = \mathbf{PI}(39, 20, 37, 20, 1, 0)_{98071} \\
\ell_{2570} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{4264833} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{4264833} = \mathbf{PI}(39, 20, 25, 20, 1, 0)_{97315} \\
\ell_{2571} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{11985345} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{11985345} = \mathbf{PI}(39, 20, 13, 20, 1, 0)_{96559}
\end{aligned}$$

$$\begin{aligned}
\ell_{2572} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{3197697} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{3197697} = \mathbf{PI}(39, 20, 3, 20, 1, 0)_{95929} \\
\ell_{2573} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{7192833} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{7192833} = \mathbf{PI}(39, 20, 23, 20, 1, 0)_{97189} \\
\ell_{2574} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{12519681} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{12519681} = \mathbf{PI}(39, 20, 43, 20, 1, 0)_{98449} \\
\ell_{2575} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{9853569} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{9853569} = \mathbf{PI}(39, 20, 63, 20, 1, 0)_{99709} \\
\ell_{2576} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{2132417} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{2132417} = \mathbf{PI}(39, 20, 50, 20, 1, 0)_{98890} \\
\ell_{2577} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{6924801} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{6924801} = \mathbf{PI}(39, 20, 38, 20, 1, 0)_{98134} \\
\ell_{2578} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{10120385} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{10120385} = \mathbf{PI}(39, 20, 26, 20, 1, 0)_{97378} \\
\ell_{2579} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{5594817} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{5594817} = \mathbf{PI}(39, 20, 14, 20, 1, 0)_{96622} \\
\ell_{2580} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{1598849} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{1598849} = \mathbf{PI}(39, 20, 6, 20, 1, 0)_{96118} \\
\ell_{2581} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{11721281} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{11721281} = \mathbf{PI}(39, 20, 18, 20, 1, 0)_{96874} \\
\ell_{2582} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{16246849} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{16246849} = \mathbf{PI}(39, 20, 46, 20, 1, 0)_{98638} \\
\ell_{2583} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{7458433} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{7458433} = \mathbf{PI}(39, 20, 58, 20, 1, 0)_{99394} \\
\ell_{2584} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{10388545} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{10388545} = \mathbf{PI}(39, 20, 55, 20, 1, 0)_{99205} \\
\ell_{2585} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{3997121} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{3997121} = \mathbf{PI}(39, 20, 35, 20, 1, 0)_{97945} \\
\ell_{2586} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{9057537} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{9057537} = \mathbf{PI}(39, 20, 31, 20, 1, 0)_{97693} \\
\ell_{2587} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{10920833} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{10920833} = \mathbf{PI}(39, 20, 11, 20, 1, 0)_{96433} \\
\ell_{2588} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{1069249} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{1069249} = \mathbf{PI}(39, 20, 5, 20, 1, 0)_{96055} \\
\ell_{2589} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{16513665} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{16513665} = \mathbf{PI}(39, 20, 17, 20, 1, 0)_{96811} \\
\ell_{2590} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{3462401} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{3462401} = \mathbf{PI}(39, 20, 45, 20, 1, 0)_{98575} \\
\ell_{2591} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{2400321} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{2400321} = \mathbf{PI}(39, 20, 57, 20, 1, 0)_{99331} \\
\ell_{2592} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{5063233} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{5063233} = \mathbf{PI}(39, 20, 52, 20, 1, 0)_{99016}
\end{aligned}$$

$$\begin{aligned}
\ell_{2593} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{15978433} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{15978433} = \mathbf{PI}(39, 20, 32, 20, 1, 0)_{97756} \\
\ell_{2594} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{15446849} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{15446849} = \mathbf{PI}(39, 20, 28, 20, 1, 0)_{97504} \\
\ell_{2595} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{13315969} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{13315969} = \mathbf{PI}(39, 20, 8, 20, 1, 0)_{96244} \\
\ell_{2596} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{799425} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{799425} = \mathbf{PI}(39, 20, 12, 20, 1, 0)_{96496} \\
\ell_{2597} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{13049153} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{13049153} = \mathbf{PI}(39, 20, 24, 20, 1, 0)_{97252} \\
\ell_{2598} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{5861633} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{5861633} = \mathbf{PI}(39, 20, 36, 20, 1, 0)_{98008} \\
\ell_{2599} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{10652289} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{10652289} = \mathbf{PI}(39, 20, 48, 20, 1, 0)_{98764} \\
\ell_{2600} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{12251137} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{12251137} = \mathbf{PI}(39, 20, 61, 20, 1, 0)_{99583} \\
\ell_{2601} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{2930817} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{2930817} = \mathbf{PI}(39, 20, 41, 20, 1, 0)_{98323} \\
\ell_{2602} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{5326145} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{5326145} = \mathbf{PI}(39, 20, 1, 20, 1, 0)_{95803} \\
\ell_{2603} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{9321985} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{9321985} = \mathbf{PI}(39, 20, 15, 20, 1, 0)_{96685} \\
\ell_{2604} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{6125569} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{6125569} = \mathbf{PI}(39, 20, 27, 20, 1, 0)_{97441} \\
\ell_{2605} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{14648001} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{14648001} = \mathbf{PI}(39, 20, 39, 20, 1, 0)_{98197} \\
\ell_{2606} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{14117889} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{14117889} = \mathbf{PI}(39, 20, 51, 20, 1, 0)_{98953} \\
\ell_{2607} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{4528769} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{4528769} = \mathbf{PI}(39, 20, 62, 20, 1, 0)_{99646} \\
\ell_{2608} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{1867649} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{1867649} = \mathbf{PI}(39, 20, 42, 20, 1, 0)_{98386} \\
\ell_{2609} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{9589121} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{9589121} = \mathbf{PI}(39, 20, 22, 20, 1, 0)_{97126} \\
\ell_{2610} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{2666113} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{2666113} = \mathbf{PI}(39, 20, 2, 20, 1, 0)_{95866} \\
\ell_{2611} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{535617} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{535617} = \mathbf{PI}(39, 20, 10, 20, 1, 0)_{96370} \\
\ell_{2612} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{8791745} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{8791745} = \mathbf{PI}(39, 20, 30, 20, 1, 0)_{97630} \\
\ell_{2613} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{8256833} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{8256833} = \mathbf{PI}(39, 20, 34, 20, 1, 0)_{97882}
\end{aligned}$$

$$\begin{aligned}
\ell_{2614} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{15715265} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{15715265} = \mathbf{PI}(39, 20, 54, 20, 1, 0)_{99142} \\
\ell_{2615} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{14383681} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{14383681} = \mathbf{PI}(39, 20, 59, 20, 1, 0)_{99457} \\
\ell_{2616} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{11451713} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{11451713} = \mathbf{PI}(39, 20, 47, 20, 1, 0)_{98701} \\
\ell_{2617} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{13849601} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{13849601} = \mathbf{PI}(39, 20, 19, 20, 1, 0)_{96937} \\
\ell_{2618} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{11187649} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{11187649} = \mathbf{PI}(39, 20, 7, 20, 1, 0)_{96181} \\
\ell_{2619} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{15181057} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{15181057} = \mathbf{PI}(39, 20, 9, 20, 1, 0)_{96307} \\
\ell_{2620} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{14916865} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{14916865} = \mathbf{PI}(39, 20, 29, 20, 1, 0)_{97567} \\
\ell_{2621} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{7992257} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{7992257} = \mathbf{PI}(39, 20, 33, 20, 1, 0)_{97819} \\
\ell_{2622} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{13584257} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{13584257} = \mathbf{PI}(39, 20, 53, 20, 1, 0)_{99079} \\
\ell_{2623} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{7726465} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{7726465} = \mathbf{PI}(39, 20, 56, 20, 1, 0)_{99268} \\
\ell_{2624} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{4794561} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{4794561} = \mathbf{PI}(39, 20, 44, 20, 1, 0)_{98512} \\
\ell_{2625} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{6657985} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{6657985} = \mathbf{PI}(39, 20, 16, 20, 1, 0)_{96748} \\
\ell_{2626} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{1333057} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{1333057} = \mathbf{PI}(39, 20, 4, 20, 1, 0)_{95992} \\
\ell_{2627} &= \begin{bmatrix} 1 & \epsilon^7 & \epsilon^7 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9470435} = \begin{bmatrix} 1 & 35 & 35 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9470435} = \mathbf{PI}(0, 35, 0, 35, 1, 0)_{16769} \\
\ell_{2628} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{6126401} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{6126401} = \mathbf{PI}(40, 35, 34, 35, 1, 0)_{157418} \\
\ell_{2629} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{268865} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{268865} = \mathbf{PI}(40, 35, 35, 35, 1, 0)_{157481} \\
\ell_{2630} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{12783873} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{12783873} = \mathbf{PI}(40, 35, 39, 35, 1, 0)_{157733} \\
\ell_{2631} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{8523265} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{8523265} = \mathbf{PI}(40, 35, 4, 35, 1, 0)_{155528} \\
\ell_{2632} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{6391937} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{6391937} = \mathbf{PI}(40, 35, 47, 35, 1, 0)_{158237} \\
\ell_{2633} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{16777665} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{16777665} = \mathbf{PI}(40, 35, 12, 35, 1, 0)_{156032} \\
\ell_{2634} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{4261633} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{4261633} = \mathbf{PI}(40, 35, 8, 35, 1, 0)_{155780}
\end{aligned}$$

$$\begin{aligned}
\ell_{2635} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{11987073} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{11987073} = \mathbf{Pl}(40, 35, 43, 35, 1, 0)_{157985} \\
\ell_{2636} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{3195969} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{3195969} = \mathbf{Pl}(40, 35, 63, 35, 1, 0)_{159245} \\
\ell_{2637} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{7191425} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{7191425} = \mathbf{Pl}(40, 35, 28, 35, 1, 0)_{157040} \\
\ell_{2638} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{12516545} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{12516545} = \mathbf{Pl}(40, 35, 24, 35, 1, 0)_{156788} \\
\ell_{2639} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{9856513} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{9856513} = \mathbf{Pl}(40, 35, 59, 35, 1, 0)_{158993} \\
\ell_{2640} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{2130817} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{2130817} = \mathbf{Pl}(40, 35, 16, 35, 1, 0)_{156284} \\
\ell_{2641} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{6927681} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{6927681} = \mathbf{Pl}(40, 35, 51, 35, 1, 0)_{158489} \\
\ell_{2642} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{10122241} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{10122241} = \mathbf{Pl}(40, 35, 55, 35, 1, 0)_{158741} \\
\ell_{2643} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{5594881} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{5594881} = \mathbf{Pl}(40, 35, 20, 35, 1, 0)_{156536} \\
\ell_{2644} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{1601025} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{1601025} = \mathbf{Pl}(40, 35, 31, 35, 1, 0)_{157229} \\
\ell_{2645} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{11719233} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{11719233} = \mathbf{Pl}(40, 35, 60, 35, 1, 0)_{159056} \\
\ell_{2646} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{16248193} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{16248193} = \mathbf{Pl}(40, 35, 56, 35, 1, 0)_{158804} \\
\ell_{2647} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{7457089} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{7457089} = \mathbf{Pl}(40, 35, 27, 35, 1, 0)_{156977} \\
\ell_{2648} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{10385985} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{10385985} = \mathbf{Pl}(40, 35, 48, 35, 1, 0)_{158300} \\
\ell_{2649} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{3996353} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{3996353} = \mathbf{Pl}(40, 35, 19, 35, 1, 0)_{156473} \\
\ell_{2650} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{9056961} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{9056961} = \mathbf{Pl}(40, 35, 23, 35, 1, 0)_{156725} \\
\ell_{2651} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{10921921} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{10921921} = \mathbf{Pl}(40, 35, 52, 35, 1, 0)_{158552} \\
\ell_{2652} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{1065409} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{1065409} = \mathbf{Pl}(40, 35, 32, 35, 1, 0)_{157292} \\
\ell_{2653} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{16512897} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{16512897} = \mathbf{Pl}(40, 35, 3, 35, 1, 0)_{155465} \\
\ell_{2654} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{3464833} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{3464833} = \mathbf{Pl}(40, 35, 7, 35, 1, 0)_{155717} \\
\ell_{2655} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{2399681} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{2399681} = \mathbf{Pl}(40, 35, 36, 35, 1, 0)_{157544}
\end{aligned}$$

$$\begin{aligned}
\ell_{2656} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{5061121} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{5061121} = \mathbf{Pl}(40, 35, 15, 35, 1, 0)_{156221} \\
\ell_{2657} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{15979329} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{15979329} = \mathbf{Pl}(40, 35, 44, 35, 1, 0)_{158048} \\
\ell_{2658} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{15447873} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{15447873} = \mathbf{Pl}(40, 35, 40, 35, 1, 0)_{157796} \\
\ell_{2659} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{13317569} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{13317569} = \mathbf{Pl}(40, 35, 11, 35, 1, 0)_{155969} \\
\ell_{2660} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{800513} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{800513} = \mathbf{Pl}(40, 35, 62, 35, 1, 0)_{159182} \\
\ell_{2661} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{13052737} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{13052737} = \mathbf{Pl}(40, 35, 29, 35, 1, 0)_{157103} \\
\ell_{2662} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{5862657} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{5862657} = \mathbf{Pl}(40, 35, 25, 35, 1, 0)_{156851} \\
\ell_{2663} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{10654081} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{10654081} = \mathbf{Pl}(40, 35, 58, 35, 1, 0)_{158930} \\
\ell_{2664} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{12252801} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{12252801} = \mathbf{Pl}(40, 35, 17, 35, 1, 0)_{156347} \\
\ell_{2665} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{2931329} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{2931329} = \mathbf{Pl}(40, 35, 50, 35, 1, 0)_{158426} \\
\ell_{2666} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{3731585} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{3731585} = \mathbf{Pl}(40, 35, 54, 35, 1, 0)_{158678} \\
\ell_{2667} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{5327041} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{5327041} = \mathbf{Pl}(40, 35, 21, 35, 1, 0)_{156599} \\
\ell_{2668} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{9320705} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{9320705} = \mathbf{Pl}(40, 35, 1, 35, 1, 0)_{155339} \\
\ell_{2669} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{14647617} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{14647617} = \mathbf{Pl}(40, 35, 38, 35, 1, 0)_{157670} \\
\ell_{2670} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{14118145} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{14118145} = \mathbf{Pl}(40, 35, 5, 35, 1, 0)_{155591} \\
\ell_{2671} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{4529473} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{4529473} = \mathbf{Pl}(40, 35, 46, 35, 1, 0)_{158174} \\
\ell_{2672} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{1865793} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{1865793} = \mathbf{Pl}(40, 35, 13, 35, 1, 0)_{156095} \\
\ell_{2673} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{9588673} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{9588673} = \mathbf{Pl}(40, 35, 9, 35, 1, 0)_{155843} \\
\ell_{2674} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{2666561} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{2666561} = \mathbf{Pl}(40, 35, 42, 35, 1, 0)_{157922} \\
\ell_{2675} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{535745} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{535745} = \mathbf{Pl}(40, 35, 33, 35, 1, 0)_{157355} \\
\ell_{2676} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{8791105} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{8791105} = \mathbf{Pl}(40, 35, 2, 35, 1, 0)_{155402}
\end{aligned}$$

$$\begin{aligned}
\ell_{2677} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{8256449} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{8256449} = \mathbf{Pl}(40, 35, 6, 35, 1, 0)_{155654} \\
\ell_{2678} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{15712641} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{15712641} = \mathbf{Pl}(40, 35, 37, 35, 1, 0)_{157607} \\
\ell_{2679} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{14382849} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{14382849} = \mathbf{Pl}(40, 35, 14, 35, 1, 0)_{156158} \\
\ell_{2680} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{11451521} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{11451521} = \mathbf{Pl}(40, 35, 45, 35, 1, 0)_{158111} \\
\ell_{2681} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{13849281} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{13849281} = \mathbf{Pl}(40, 35, 41, 35, 1, 0)_{157859} \\
\ell_{2682} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{11187777} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{11187777} = \mathbf{Pl}(40, 35, 10, 35, 1, 0)_{155906} \\
\ell_{2683} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{15183041} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{15183041} = \mathbf{Pl}(40, 35, 30, 35, 1, 0)_{157166} \\
\ell_{2684} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{14914177} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{14914177} = \mathbf{Pl}(40, 35, 61, 35, 1, 0)_{159119} \\
\ell_{2685} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{7992705} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{7992705} = \mathbf{Pl}(40, 35, 57, 35, 1, 0)_{158867} \\
\ell_{2686} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{13582337} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{13582337} = \mathbf{Pl}(40, 35, 26, 35, 1, 0)_{156914} \\
\ell_{2687} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{7724929} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{7724929} = \mathbf{Pl}(40, 35, 49, 35, 1, 0)_{158363} \\
\ell_{2688} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{4797377} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{4797377} = \mathbf{Pl}(40, 35, 18, 35, 1, 0)_{156410} \\
\ell_{2689} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{6659777} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{6659777} = \mathbf{Pl}(40, 35, 22, 35, 1, 0)_{156662} \\
\ell_{2690} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{1334273} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{1334273} = \mathbf{Pl}(40, 35, 53, 35, 1, 0)_{158615} \\
\ell_{2691} &= \begin{bmatrix} 1 & \epsilon^{26} & \epsilon^{26} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{6224855} = \begin{bmatrix} 1 & 23 & 23 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{6224855} = \mathbf{Pl}(0, 23, 0, 23, 1, 0)_{15233} \\
\ell_{2692} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{9322817} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{9322817} = \mathbf{Pl}(41, 23, 22, 23, 1, 0)_{109035} \\
\ell_{2693} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{268929} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{268929} = \mathbf{Pl}(41, 23, 23, 23, 1, 0)_{109098} \\
\ell_{2694} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{12784897} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{12784897} = \mathbf{Pl}(41, 23, 46, 23, 1, 0)_{110547} \\
\ell_{2695} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{8525313} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{8525313} = \mathbf{Pl}(41, 23, 57, 23, 1, 0)_{111240} \\
\ell_{2696} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{6392449} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{6392449} = \mathbf{Pl}(41, 23, 61, 23, 1, 0)_{111492} \\
\ell_{2697} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{16780673} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{16780673} = \mathbf{Pl}(41, 23, 42, 23, 1, 0)_{110295}
\end{aligned}$$

$$\begin{aligned}
\ell_{2698} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{4262657} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{4262657} = \mathbf{Pl}(41, 23, 19, 23, 1, 0)_{108846} \\
\ell_{2699} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{11985217} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{11985217} = \mathbf{Pl}(41, 23, 4, 23, 1, 0)_{107901} \\
\ell_{2700} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{3196225} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{3196225} = \mathbf{Pl}(41, 23, 27, 23, 1, 0)_{109350} \\
\ell_{2701} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{7190721} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{7190721} = \mathbf{Pl}(41, 23, 12, 23, 1, 0)_{108405} \\
\ell_{2702} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{12519041} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{12519041} = \mathbf{Pl}(41, 23, 53, 23, 1, 0)_{110988} \\
\ell_{2703} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{9854657} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{9854657} = \mathbf{Pl}(41, 23, 34, 23, 1, 0)_{109791} \\
\ell_{2704} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{2131329} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{2131329} = \mathbf{Pl}(41, 23, 38, 23, 1, 0)_{110043} \\
\ell_{2705} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{6926017} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{6926017} = \mathbf{Pl}(41, 23, 49, 23, 1, 0)_{110736} \\
\ell_{2706} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{10120321} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{10120321} = \mathbf{Pl}(41, 23, 8, 23, 1, 0)_{108153} \\
\ell_{2707} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{5595585} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{5595585} = \mathbf{Pl}(41, 23, 31, 23, 1, 0)_{109602} \\
\ell_{2708} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{1601153} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{1601153} = \mathbf{Pl}(41, 23, 54, 23, 1, 0)_{111051} \\
\ell_{2709} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{11720513} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{11720513} = \mathbf{Pl}(41, 23, 33, 23, 1, 0)_{109728} \\
\ell_{2710} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{16244801} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{16244801} = \mathbf{Pl}(41, 23, 24, 23, 1, 0)_{109161} \\
\ell_{2711} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{7457857} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{7457857} = \mathbf{Pl}(41, 23, 15, 23, 1, 0)_{108594} \\
\ell_{2712} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{10388225} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{10388225} = \mathbf{Pl}(41, 23, 11, 23, 1, 0)_{108342} \\
\ell_{2713} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{3995777} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{3995777} = \mathbf{Pl}(41, 23, 28, 23, 1, 0)_{109413} \\
\ell_{2714} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{9055041} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{9055041} = \mathbf{Pl}(41, 23, 37, 23, 1, 0)_{109980} \\
\ell_{2715} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{10920449} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{10920449} = \mathbf{Pl}(41, 23, 50, 23, 1, 0)_{110799} \\
\ell_{2716} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{1065665} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{1065665} = \mathbf{Pl}(41, 23, 45, 23, 1, 0)_{110484} \\
\ell_{2717} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{16512769} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{16512769} = \mathbf{Pl}(41, 23, 58, 23, 1, 0)_{111303} \\
\ell_{2718} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{3464001} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{3464001} = \mathbf{Pl}(41, 23, 3, 23, 1, 0)_{107838}
\end{aligned}$$

$$\begin{aligned}
\ell_{2719} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{2399233} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{2399233} = \mathbf{Pl}(41, 23, 20, 23, 1, 0)_{108909} \\
\ell_{2720} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{5060161} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{5060161} = \mathbf{Pl}(41, 23, 16, 23, 1, 0)_{108657} \\
\ell_{2721} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{15981121} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{15981121} = \mathbf{Pl}(41, 23, 7, 23, 1, 0)_{108090} \\
\ell_{2722} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{15447233} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{15447233} = \mathbf{Pl}(41, 23, 62, 23, 1, 0)_{111555} \\
\ell_{2723} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{13316673} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{13316673} = \mathbf{Pl}(41, 23, 41, 23, 1, 0)_{110232} \\
\ell_{2724} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{800577} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{800577} = \mathbf{Pl}(41, 23, 13, 23, 1, 0)_{108468} \\
\ell_{2725} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{13049729} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{13049729} = \mathbf{Pl}(41, 23, 26, 23, 1, 0)_{109287} \\
\ell_{2726} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{5861249} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{5861249} = \mathbf{Pl}(41, 23, 35, 23, 1, 0)_{109854} \\
\ell_{2727} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{10655617} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{10655617} = \mathbf{Pl}(41, 23, 52, 23, 1, 0)_{110925} \\
\ell_{2728} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{12250113} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{12250113} = \mathbf{Pl}(41, 23, 48, 23, 1, 0)_{110673} \\
\ell_{2729} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{2930625} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{2930625} = \mathbf{Pl}(41, 23, 39, 23, 1, 0)_{110106} \\
\ell_{2730} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{3731969} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{3731969} = \mathbf{Pl}(41, 23, 30, 23, 1, 0)_{109539} \\
\ell_{2731} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{5327809} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{5327809} = \mathbf{Pl}(41, 23, 9, 23, 1, 0)_{108216} \\
\ell_{2732} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{6125057} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{6125057} = \mathbf{Pl}(41, 23, 1, 23, 1, 0)_{107712} \\
\ell_{2733} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{14650369} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{14650369} = \mathbf{Pl}(41, 23, 56, 23, 1, 0)_{111177} \\
\ell_{2734} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{14114753} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{14114753} = \mathbf{Pl}(41, 23, 47, 23, 1, 0)_{110610} \\
\ell_{2735} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{4530561} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{4530561} = \mathbf{Pl}(41, 23, 43, 23, 1, 0)_{110358} \\
\ell_{2736} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{1865985} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{1865985} = \mathbf{Pl}(41, 23, 60, 23, 1, 0)_{111429} \\
\ell_{2737} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{9590977} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{9590977} = \mathbf{Pl}(41, 23, 5, 23, 1, 0)_{107964} \\
\ell_{2738} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{2666945} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{2666945} = \mathbf{Pl}(41, 23, 18, 23, 1, 0)_{108783} \\
\ell_{2739} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{535873} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{535873} = \mathbf{Pl}(41, 23, 59, 23, 1, 0)_{111366}
\end{aligned}$$

$$\begin{aligned}
\ell_{2740} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{8789121} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{8789121} = \mathbf{PI}(41, 23, 44, 23, 1, 0)_{110421} \\
\ell_{2741} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{8256385} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{8256385} = \mathbf{PI}(41, 23, 21, 23, 1, 0)_{108972} \\
\ell_{2742} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{15715009} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{15715009} = \mathbf{PI}(41, 23, 2, 23, 1, 0)_{107775} \\
\ell_{2743} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{14381441} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{14381441} = \mathbf{PI}(41, 23, 6, 23, 1, 0)_{108027} \\
\ell_{2744} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{11453889} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{11453889} = \mathbf{PI}(41, 23, 17, 23, 1, 0)_{108720} \\
\ell_{2745} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{13850049} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{13850049} = \mathbf{PI}(41, 23, 40, 23, 1, 0)_{110169} \\
\ell_{2746} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{11185089} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{11185089} = \mathbf{PI}(41, 23, 63, 23, 1, 0)_{111618} \\
\ell_{2747} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{15179521} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{15179521} = \mathbf{PI}(41, 23, 32, 23, 1, 0)_{109665} \\
\ell_{2748} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{14915713} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{14915713} = \mathbf{PI}(41, 23, 55, 23, 1, 0)_{111114} \\
\ell_{2749} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{7991553} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{7991553} = \mathbf{PI}(41, 23, 14, 23, 1, 0)_{108531} \\
\ell_{2750} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{13585473} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{13585473} = \mathbf{PI}(41, 23, 25, 23, 1, 0)_{109224} \\
\ell_{2751} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{7726657} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{7726657} = \mathbf{PI}(41, 23, 29, 23, 1, 0)_{109476} \\
\ell_{2752} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{4796481} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{4796481} = \mathbf{PI}(41, 23, 10, 23, 1, 0)_{108279} \\
\ell_{2753} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{6661377} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{6661377} = \mathbf{PI}(41, 23, 51, 23, 1, 0)_{110862} \\
\ell_{2754} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{1334465} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{1334465} = \mathbf{PI}(41, 23, 36, 23, 1, 0)_{109917} \\
\ell_{2755} &= \begin{bmatrix} 1 & \epsilon^{47} & \epsilon^{47} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{14879735} = \begin{bmatrix} 1 & 55 & 55 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{14879735} = \mathbf{PI}(0, 55, 0, 55, 1, 0)_{19329} \\
\ell_{2756} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{14117441} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{14117441} = \mathbf{PI}(42, 55, 54, 55, 1, 0)_{238060} \\
\ell_{2757} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{268993} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{268993} = \mathbf{PI}(42, 55, 55, 55, 1, 0)_{238123} \\
\ell_{2758} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{12783937} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{12783937} = \mathbf{PI}(42, 55, 15, 55, 1, 0)_{235603} \\
\ell_{2759} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{8525377} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{8525377} = \mathbf{PI}(42, 55, 56, 55, 1, 0)_{238186} \\
\ell_{2760} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{6395009} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{6395009} = \mathbf{PI}(42, 55, 30, 55, 1, 0)_{236548}
\end{aligned}$$

$$\begin{aligned}
\ell_{2761} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{16778625} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{16778625} = \mathbf{Pl}(42, 55, 41, 55, 1, 0)_{237241} \\
\ell_{2762} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{4263681} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{4263681} = \mathbf{Pl}(42, 55, 17, 55, 1, 0)_{235729} \\
\ell_{2763} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{11984577} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{11984577} = \mathbf{Pl}(42, 55, 38, 55, 1, 0)_{237052} \\
\ell_{2764} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{3197505} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{3197505} = \mathbf{Pl}(42, 55, 60, 55, 1, 0)_{238438} \\
\ell_{2765} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{7192577} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{7192577} = \mathbf{Pl}(42, 55, 11, 55, 1, 0)_{235351} \\
\ell_{2766} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{12520065} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{12520065} = \mathbf{Pl}(42, 55, 51, 55, 1, 0)_{237871} \\
\ell_{2767} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{9854785} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{9854785} = \mathbf{Pl}(42, 55, 4, 55, 1, 0)_{234910} \\
\ell_{2768} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{2131841} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{2131841} = \mathbf{Pl}(42, 55, 34, 55, 1, 0)_{236800} \\
\ell_{2769} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{6924865} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{6924865} = \mathbf{Pl}(42, 55, 21, 55, 1, 0)_{235981} \\
\ell_{2770} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{10120001} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{10120001} = \mathbf{Pl}(42, 55, 45, 55, 1, 0)_{237493} \\
\ell_{2771} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{5593217} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{5593217} = \mathbf{Pl}(42, 55, 26, 55, 1, 0)_{236296} \\
\ell_{2772} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{1601793} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{1601793} = \mathbf{Pl}(42, 55, 25, 55, 1, 0)_{236233} \\
\ell_{2773} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{11719681} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{11719681} = \mathbf{Pl}(42, 55, 46, 55, 1, 0)_{237556} \\
\ell_{2774} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{16246721} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{16246721} = \mathbf{Pl}(42, 55, 22, 55, 1, 0)_{236044} \\
\ell_{2775} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{7459649} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{7459649} = \mathbf{Pl}(42, 55, 33, 55, 1, 0)_{236737} \\
\ell_{2776} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{10388737} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{10388737} = \mathbf{Pl}(42, 55, 7, 55, 1, 0)_{235099} \\
\ell_{2777} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{3994689} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{3994689} = \mathbf{Pl}(42, 55, 48, 55, 1, 0)_{237682} \\
\ell_{2778} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{9055105} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{9055105} = \mathbf{Pl}(42, 55, 8, 55, 1, 0)_{235162} \\
\ell_{2779} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{10918785} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{10918785} = \mathbf{Pl}(42, 55, 63, 55, 1, 0)_{238627} \\
\ell_{2780} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{1065921} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{1065921} = \mathbf{Pl}(42, 55, 37, 55, 1, 0)_{236989} \\
\ell_{2781} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{16514753} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{16514753} = \mathbf{Pl}(42, 55, 18, 55, 1, 0)_{235792}
\end{aligned}$$

$$\begin{aligned}
\ell_{2782} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{3465473} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{3465473} = \mathbf{Pl}(42, 55, 42, 55, 1, 0)_{237304} \\
\ell_{2783} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{2400577} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{2400577} = \mathbf{Pl}(42, 55, 29, 55, 1, 0)_{236485} \\
\ell_{2784} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{5063041} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{5063041} = \mathbf{Pl}(42, 55, 59, 55, 1, 0)_{238375} \\
\ell_{2785} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{15978753} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{15978753} = \mathbf{Pl}(42, 55, 12, 55, 1, 0)_{235414} \\
\ell_{2786} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{15449089} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{15449089} = \mathbf{Pl}(42, 55, 52, 55, 1, 0)_{237934} \\
\ell_{2787} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{13317249} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{13317249} = \mathbf{Pl}(42, 55, 3, 55, 1, 0)_{234847} \\
\ell_{2788} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{800897} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{800897} = \mathbf{Pl}(42, 55, 50, 55, 1, 0)_{237808} \\
\ell_{2789} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{13052929} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{13052929} = \mathbf{Pl}(42, 55, 5, 55, 1, 0)_{234973} \\
\ell_{2790} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{5859841} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{5859841} = \mathbf{Pl}(42, 55, 61, 55, 1, 0)_{238501} \\
\ell_{2791} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{10655169} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{10655169} = \mathbf{Pl}(42, 55, 10, 55, 1, 0)_{235288} \\
\ell_{2792} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{12251073} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{12251073} = \mathbf{Pl}(42, 55, 44, 55, 1, 0)_{237430} \\
\ell_{2793} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{2929921} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{2929921} = \mathbf{Pl}(42, 55, 27, 55, 1, 0)_{236359} \\
\ell_{2794} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{3730817} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{3730817} = \mathbf{Pl}(42, 55, 35, 55, 1, 0)_{236863} \\
\ell_{2795} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{5328577} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{5328577} = \mathbf{Pl}(42, 55, 20, 55, 1, 0)_{235918} \\
\ell_{2796} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{9323073} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{9323073} = \mathbf{Pl}(42, 55, 14, 55, 1, 0)_{235540} \\
\ell_{2797} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{6128577} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{6128577} = \mathbf{Pl}(42, 55, 57, 55, 1, 0)_{238249} \\
\ell_{2798} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{14646785} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{14646785} = \mathbf{Pl}(42, 55, 1, 55, 1, 0)_{234721} \\
\ell_{2799} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{4527553} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{4527553} = \mathbf{Pl}(42, 55, 16, 55, 1, 0)_{235666} \\
\ell_{2800} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{1865409} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{1865409} = \mathbf{Pl}(42, 55, 39, 55, 1, 0)_{237115} \\
\ell_{2801} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{9590145} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{9590145} = \mathbf{Pl}(42, 55, 31, 55, 1, 0)_{236611} \\
\ell_{2802} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{2665281} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{2665281} = \mathbf{Pl}(42, 55, 40, 55, 1, 0)_{237178}
\end{aligned}$$

$$\begin{aligned}
\ell_{2803} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{536001} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{536001} = \mathbf{PI}(42, 55, 43, 55, 1, 0)_{237367} \\
\ell_{2804} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{8789249} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{8789249} = \mathbf{PI}(42, 55, 28, 55, 1, 0)_{236422} \\
\ell_{2805} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{8258369} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{8258369} = \mathbf{PI}(42, 55, 36, 55, 1, 0)_{236926} \\
\ell_{2806} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{15713729} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{15713729} = \mathbf{PI}(42, 55, 19, 55, 1, 0)_{235855} \\
\ell_{2807} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{14383169} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{14383169} = \mathbf{PI}(42, 55, 53, 55, 1, 0)_{237997} \\
\ell_{2808} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{11454145} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{11454145} = \mathbf{PI}(42, 55, 2, 55, 1, 0)_{234784} \\
\ell_{2809} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{13849729} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{13849729} = \mathbf{PI}(42, 55, 58, 55, 1, 0)_{238312} \\
\ell_{2810} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{11186433} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{11186433} = \mathbf{PI}(42, 55, 13, 55, 1, 0)_{235477} \\
\ell_{2811} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{15181953} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{15181953} = \mathbf{PI}(42, 55, 23, 55, 1, 0)_{236107} \\
\ell_{2812} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{14913217} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{14913217} = \mathbf{PI}(42, 55, 32, 55, 1, 0)_{236674} \\
\ell_{2813} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{7989377} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{7989377} = \mathbf{PI}(42, 55, 24, 55, 1, 0)_{236170} \\
\ell_{2814} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{13582145} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{13582145} = \mathbf{PI}(42, 55, 47, 55, 1, 0)_{237619} \\
\ell_{2815} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{7724545} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{7724545} = \mathbf{PI}(42, 55, 9, 55, 1, 0)_{235225} \\
\ell_{2816} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{4795073} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{4795073} = \mathbf{PI}(42, 55, 62, 55, 1, 0)_{238564} \\
\ell_{2817} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{6658625} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{6658625} = \mathbf{PI}(42, 55, 6, 55, 1, 0)_{235036} \\
\ell_{2818} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{1333633} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{1333633} = \mathbf{PI}(42, 55, 49, 55, 1, 0)_{237745} \\
\ell_{2819} &= \begin{bmatrix} 1 & \epsilon^{17} & \epsilon^{17} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{14338805} = \begin{bmatrix} 1 & 53 & 53 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{14338805} = \mathbf{PI}(0, 53, 0, 53, 1, 0)_{19073} \\
\ell_{2820} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{14650177} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{14650177} = \mathbf{PI}(43, 53, 52, 53, 1, 0)_{229997} \\
\ell_{2821} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{269057} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{269057} = \mathbf{PI}(43, 53, 53, 53, 1, 0)_{230060} \\
\ell_{2822} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{12784961} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{12784961} = \mathbf{PI}(43, 53, 11, 53, 1, 0)_{227414} \\
\ell_{2823} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{8523329} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{8523329} = \mathbf{PI}(43, 53, 62, 53, 1, 0)_{230627}
\end{aligned}$$

$$\begin{aligned}
\ell_{2824} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{6393473} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{6393473} = \mathbf{Pl}(43, 53, 22, 53, 1, 0)_{228107} \\
\ell_{2825} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{16779713} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{16779713} = \mathbf{Pl}(43, 53, 35, 53, 1, 0)_{228926} \\
\ell_{2826} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{4264705} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{4264705} = \mathbf{Pl}(43, 53, 29, 53, 1, 0)_{228548} \\
\ell_{2827} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{11985921} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{11985921} = \mathbf{Pl}(43, 53, 40, 53, 1, 0)_{229241} \\
\ell_{2828} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{3196737} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{3196737} = \mathbf{Pl}(43, 53, 44, 53, 1, 0)_{229493} \\
\ell_{2829} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{7194177} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{7194177} = \mathbf{Pl}(43, 53, 25, 53, 1, 0)_{228296} \\
\ell_{2830} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{12517569} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{12517569} = \mathbf{Pl}(43, 53, 39, 53, 1, 0)_{229178} \\
\ell_{2831} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{9857153} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{9857153} = \mathbf{Pl}(43, 53, 18, 53, 1, 0)_{227855} \\
\ell_{2832} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{2132353} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{2132353} = \mathbf{Pl}(43, 53, 58, 53, 1, 0)_{230375} \\
\ell_{2833} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{6925249} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{6925249} = \mathbf{Pl}(43, 53, 15, 53, 1, 0)_{227666} \\
\ell_{2834} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{10121665} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{10121665} = \mathbf{Pl}(43, 53, 49, 53, 1, 0)_{229808} \\
\ell_{2835} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{5593921} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{5593921} = \mathbf{Pl}(43, 53, 4, 53, 1, 0)_{226973} \\
\ell_{2836} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{1601409} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{1601409} = \mathbf{Pl}(43, 53, 57, 53, 1, 0)_{230312} \\
\ell_{2837} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{11717889} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{11717889} = \mathbf{Pl}(43, 53, 12, 53, 1, 0)_{227477} \\
\ell_{2838} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{16246529} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{16246529} = \mathbf{Pl}(43, 53, 50, 53, 1, 0)_{229871} \\
\ell_{2839} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{7459393} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{7459393} = \mathbf{Pl}(43, 53, 7, 53, 1, 0)_{227162} \\
\ell_{2840} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{10386497} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{10386497} = \mathbf{Pl}(43, 53, 47, 53, 1, 0)_{229682} \\
\ell_{2841} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{3995393} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{3995393} = \mathbf{Pl}(43, 53, 26, 53, 1, 0)_{228359} \\
\ell_{2842} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{9057281} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{9057281} = \mathbf{Pl}(43, 53, 36, 53, 1, 0)_{228989} \\
\ell_{2843} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{10921281} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{10921281} = \mathbf{Pl}(43, 53, 17, 53, 1, 0)_{227792} \\
\ell_{2844} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{1066177} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{1066177} = \mathbf{Pl}(43, 53, 21, 53, 1, 0)_{228044}
\end{aligned}$$

$$\begin{aligned}
\ell_{2845} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{16511041} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{16511041} = \mathbf{Pl}(43, 53, 32, 53, 1, 0)_{228737} \\
\ell_{2846} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{3465665} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{3465665} = \mathbf{Pl}(43, 53, 30, 53, 1, 0)_{228611} \\
\ell_{2847} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{2400129} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{2400129} = \mathbf{Pl}(43, 53, 43, 53, 1, 0)_{229430} \\
\ell_{2848} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{5061825} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{5061825} = \mathbf{Pl}(43, 53, 3, 53, 1, 0)_{226910} \\
\ell_{2849} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{15981569} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{15981569} = \mathbf{Pl}(43, 53, 54, 53, 1, 0)_{230123} \\
\ell_{2850} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{15446401} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{15446401} = \mathbf{Pl}(43, 53, 8, 53, 1, 0)_{227225} \\
\ell_{2851} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{13316353} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{13316353} = \mathbf{Pl}(43, 53, 61, 53, 1, 0)_{230564} \\
\ell_{2852} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{800705} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{800705} = \mathbf{Pl}(43, 53, 19, 53, 1, 0)_{227918} \\
\ell_{2853} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{13049793} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{13049793} = \mathbf{Pl}(43, 53, 38, 53, 1, 0)_{229115} \\
\ell_{2854} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{5858945} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{5858945} = \mathbf{Pl}(43, 53, 24, 53, 1, 0)_{228233} \\
\ell_{2855} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{10652609} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{10652609} = \mathbf{Pl}(43, 53, 45, 53, 1, 0)_{229556} \\
\ell_{2856} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{12254017} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{12254017} = \mathbf{Pl}(43, 53, 5, 53, 1, 0)_{227036} \\
\ell_{2857} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{2929473} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{2929473} = \mathbf{Pl}(43, 53, 48, 53, 1, 0)_{229745} \\
\ell_{2858} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{3730689} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{3730689} = \mathbf{Pl}(43, 53, 14, 53, 1, 0)_{227603} \\
\ell_{2859} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{5329345} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{5329345} = \mathbf{Pl}(43, 53, 59, 53, 1, 0)_{230438} \\
\ell_{2860} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{9320961} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{9320961} = \mathbf{Pl}(43, 53, 63, 53, 1, 0)_{230690} \\
\ell_{2861} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{6128001} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{6128001} = \mathbf{Pl}(43, 53, 10, 53, 1, 0)_{227351} \\
\ell_{2862} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{14114177} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{14114177} = \mathbf{Pl}(43, 53, 1, 53, 1, 0)_{226784} \\
\ell_{2863} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{4528641} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{4528641} = \mathbf{Pl}(43, 53, 41, 53, 1, 0)_{229304} \\
\ell_{2864} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{1865345} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{1865345} = \mathbf{Pl}(43, 53, 28, 53, 1, 0)_{228485} \\
\ell_{2865} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{9588353} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{9588353} = \mathbf{Pl}(43, 53, 34, 53, 1, 0)_{228863}
\end{aligned}$$

$$\begin{aligned}
\ell_{2866} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{2665665} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{2665665} = \mathbf{Pl}(43, 53, 23, 53, 1, 0)_{228170} \\
\ell_{2867} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{536129} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{536129} = \mathbf{Pl}(43, 53, 42, 53, 1, 0)_{229367} \\
\ell_{2868} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{8791233} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{8791233} = \mathbf{Pl}(43, 53, 31, 53, 1, 0)_{228674} \\
\ell_{2869} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{8258561} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{8258561} = \mathbf{Pl}(43, 53, 33, 53, 1, 0)_{228800} \\
\ell_{2870} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{15714433} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{15714433} = \mathbf{Pl}(43, 53, 20, 53, 1, 0)_{227981} \\
\ell_{2871} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{14382273} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{14382273} = \mathbf{Pl}(43, 53, 60, 53, 1, 0)_{230501} \\
\ell_{2872} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{11452801} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{11452801} = \mathbf{Pl}(43, 53, 9, 53, 1, 0)_{227288} \\
\ell_{2873} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{13850497} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{13850497} = \mathbf{Pl}(43, 53, 55, 53, 1, 0)_{230186} \\
\ell_{2874} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{11187841} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{11187841} = \mathbf{Pl}(43, 53, 2, 53, 1, 0)_{226847} \\
\ell_{2875} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{15180353} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{15180353} = \mathbf{Pl}(43, 53, 6, 53, 1, 0)_{227099} \\
\ell_{2876} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{14916801} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{14916801} = \mathbf{Pl}(43, 53, 51, 53, 1, 0)_{229934} \\
\ell_{2877} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{7990785} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{7990785} = \mathbf{Pl}(43, 53, 13, 53, 1, 0)_{227540} \\
\ell_{2878} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{13585153} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{13585153} = \mathbf{Pl}(43, 53, 56, 53, 1, 0)_{230249} \\
\ell_{2879} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{7723201} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{7723201} = \mathbf{Pl}(43, 53, 16, 53, 1, 0)_{227729} \\
\ell_{2880} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{4794177} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{4794177} = \mathbf{Pl}(43, 53, 37, 53, 1, 0)_{229052} \\
\ell_{2881} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{6658177} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{6658177} = \mathbf{Pl}(43, 53, 27, 53, 1, 0)_{228422} \\
\ell_{2882} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{1333825} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{1333825} = \mathbf{Pl}(43, 53, 46, 53, 1, 0)_{229619} \\
\ell_{2883} &= \begin{bmatrix} 1 & \epsilon^{43} & \epsilon^{43} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4602065} = \begin{bmatrix} 1 & 17 & 17 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4602065} = \mathbf{Pl}(0, 17, 0, 17, 1, 0)_{14465} \\
\ell_{2884} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{1864513} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{1864513} = \mathbf{Pl}(44, 17, 16, 17, 1, 0)_{84846} \\
\ell_{2885} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{269121} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{269121} = \mathbf{Pl}(44, 17, 17, 17, 1, 0)_{84909} \\
\ell_{2886} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{12784001} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{12784001} = \mathbf{Pl}(44, 17, 34, 17, 1, 0)_{85980}
\end{aligned}$$

$$\begin{aligned}
\ell_{2887} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{8525505} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{8525505} = \mathbf{PI}(44, 17, 51, 17, 1, 0)_{87051} \\
\ell_{2888} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{6392001} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{6392001} = \mathbf{PI}(44, 17, 37, 17, 1, 0)_{86169} \\
\ell_{2889} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{16780609} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{16780609} = \mathbf{PI}(44, 17, 52, 17, 1, 0)_{87114} \\
\ell_{2890} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{4263745} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{4263745} = \mathbf{PI}(44, 17, 7, 17, 1, 0)_{84279} \\
\ell_{2891} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{11985857} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{11985857} = \mathbf{PI}(44, 17, 22, 17, 1, 0)_{85224} \\
\ell_{2892} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{3199041} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{3199041} = \mathbf{PI}(44, 17, 43, 17, 1, 0)_{86547} \\
\ell_{2893} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{7192129} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{7192129} = \mathbf{PI}(44, 17, 58, 17, 1, 0)_{87492} \\
\ell_{2894} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{12518017} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{12518017} = \mathbf{PI}(44, 17, 9, 17, 1, 0)_{84405} \\
\ell_{2895} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{9853505} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{9853505} = \mathbf{PI}(44, 17, 24, 17, 1, 0)_{85350} \\
\ell_{2896} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{2132865} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{2132865} = \mathbf{PI}(44, 17, 14, 17, 1, 0)_{84720} \\
\ell_{2897} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{6927105} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{6927105} = \mathbf{PI}(44, 17, 31, 17, 1, 0)_{85791} \\
\ell_{2898} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{10120641} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{10120641} = \mathbf{PI}(44, 17, 44, 17, 1, 0)_{86610} \\
\ell_{2899} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{5593537} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{5593537} = \mathbf{PI}(44, 17, 61, 17, 1, 0)_{87681} \\
\ell_{2900} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{1600513} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{1600513} = \mathbf{PI}(44, 17, 55, 17, 1, 0)_{87303} \\
\ell_{2901} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{11718273} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{11718273} = \mathbf{PI}(44, 17, 38, 17, 1, 0)_{86232} \\
\ell_{2902} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{16245505} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{16245505} = \mathbf{PI}(44, 17, 21, 17, 1, 0)_{85161} \\
\ell_{2903} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{7458049} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{7458049} = \mathbf{PI}(44, 17, 4, 17, 1, 0)_{84090} \\
\ell_{2904} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{10389761} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{10389761} = \mathbf{PI}(44, 17, 18, 17, 1, 0)_{84972} \\
\ell_{2905} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{3996609} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{3996609} = \mathbf{PI}(44, 17, 3, 17, 1, 0)_{84027} \\
\ell_{2906} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{9054465} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{9054465} = \mathbf{PI}(44, 17, 48, 17, 1, 0)_{86862} \\
\ell_{2907} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{10921601} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{10921601} = \mathbf{PI}(44, 17, 33, 17, 1, 0)_{85917}
\end{aligned}$$

$$\begin{aligned}
\ell_{2908} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{1066433} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{1066433} = \mathbf{PI}(44, 17, 28, 17, 1, 0)_{85602} \\
\ell_{2909} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{16512513} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{16512513} = \mathbf{PI}(44, 17, 13, 17, 1, 0)_{84657} \\
\ell_{2910} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{3463553} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{3463553} = \mathbf{PI}(44, 17, 62, 17, 1, 0)_{87744} \\
\ell_{2911} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{2397377} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{2397377} = \mathbf{PI}(44, 17, 47, 17, 1, 0)_{86799} \\
\ell_{2912} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{5063361} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{5063361} = \mathbf{PI}(44, 17, 57, 17, 1, 0)_{87429} \\
\ell_{2913} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{15980481} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{15980481} = \mathbf{PI}(44, 17, 40, 17, 1, 0)_{86358} \\
\ell_{2914} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{15446209} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{15446209} = \mathbf{PI}(44, 17, 27, 17, 1, 0)_{85539} \\
\ell_{2915} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{13318209} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{13318209} = \mathbf{PI}(44, 17, 10, 17, 1, 0)_{84468} \\
\ell_{2916} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{800257} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{800257} = \mathbf{PI}(44, 17, 15, 17, 1, 0)_{84783} \\
\ell_{2917} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{13052609} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{13052609} = \mathbf{PI}(44, 17, 30, 17, 1, 0)_{85728} \\
\ell_{2918} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{5859137} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{5859137} = \mathbf{PI}(44, 17, 45, 17, 1, 0)_{86673} \\
\ell_{2919} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{10654017} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{10654017} = \mathbf{PI}(44, 17, 60, 17, 1, 0)_{87618} \\
\ell_{2920} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{12253505} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{12253505} = \mathbf{PI}(44, 17, 42, 17, 1, 0)_{86484} \\
\ell_{2921} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{2932609} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{2932609} = \mathbf{PI}(44, 17, 59, 17, 1, 0)_{87555} \\
\ell_{2922} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{3729025} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{3729025} = \mathbf{PI}(44, 17, 8, 17, 1, 0)_{84342} \\
\ell_{2923} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{5330049} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{5330049} = \mathbf{PI}(44, 17, 25, 17, 1, 0)_{85413} \\
\ell_{2924} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{9323585} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{9323585} = \mathbf{PI}(44, 17, 36, 17, 1, 0)_{86106} \\
\ell_{2925} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{6127745} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{6127745} = \mathbf{PI}(44, 17, 53, 17, 1, 0)_{87177} \\
\ell_{2926} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{14647745} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{14647745} = \mathbf{PI}(44, 17, 6, 17, 1, 0)_{84216} \\
\ell_{2927} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{14116737} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{14116737} = \mathbf{PI}(44, 17, 23, 17, 1, 0)_{85287} \\
\ell_{2928} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{4527233} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{4527233} = \mathbf{PI}(44, 17, 1, 17, 1, 0)_{83901}
\end{aligned}$$

$$\begin{aligned}
\ell_{2929} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{9589505} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{9589505} = \mathbf{PI}(44, 17, 35, 17, 1, 0)_{86043} \\
\ell_{2930} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{2665025} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{2665025} = \mathbf{PI}(44, 17, 50, 17, 1, 0)_{86988} \\
\ell_{2931} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{536257} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{536257} = \mathbf{PI}(44, 17, 56, 17, 1, 0)_{87366} \\
\ell_{2932} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{8789505} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{8789505} = \mathbf{PI}(44, 17, 41, 17, 1, 0)_{86421} \\
\ell_{2933} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{8256257} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{8256257} = \mathbf{PI}(44, 17, 26, 17, 1, 0)_{85476} \\
\ell_{2934} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{15714305} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{15714305} = \mathbf{PI}(44, 17, 11, 17, 1, 0)_{84531} \\
\ell_{2935} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{14384257} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{14384257} = \mathbf{PI}(44, 17, 29, 17, 1, 0)_{85665} \\
\ell_{2936} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{11451585} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{11451585} = \mathbf{PI}(44, 17, 12, 17, 1, 0)_{84594} \\
\ell_{2937} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{13848129} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{13848129} = \mathbf{PI}(44, 17, 63, 17, 1, 0)_{87807} \\
\ell_{2938} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{11187073} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{11187073} = \mathbf{PI}(44, 17, 46, 17, 1, 0)_{86736} \\
\ell_{2939} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{15181121} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{15181121} = \mathbf{PI}(44, 17, 19, 17, 1, 0)_{85035} \\
\ell_{2940} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{14916097} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{14916097} = \mathbf{PI}(44, 17, 2, 17, 1, 0)_{83964} \\
\ell_{2941} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{7991233} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{7991233} = \mathbf{PI}(44, 17, 49, 17, 1, 0)_{86925} \\
\ell_{2942} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{13581697} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{13581697} = \mathbf{PI}(44, 17, 32, 17, 1, 0)_{85854} \\
\ell_{2943} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{7726145} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{7726145} = \mathbf{PI}(44, 17, 54, 17, 1, 0)_{87240} \\
\ell_{2944} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{4794753} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{4794753} = \mathbf{PI}(44, 17, 39, 17, 1, 0)_{86295} \\
\ell_{2945} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{6660097} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{6660097} = \mathbf{PI}(44, 17, 20, 17, 1, 0)_{85098} \\
\ell_{2946} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{1335553} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{1335553} = \mathbf{PI}(44, 17, 5, 17, 1, 0)_{84153} \\
\ell_{2947} &= \begin{bmatrix} 1 & \epsilon^{39} & \epsilon^{39} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1897415} = \begin{bmatrix} 1 & 7 & 7 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1897415} = \mathbf{PI}(0, 7, 0, 7, 1, 0)_{13185} \\
\ell_{2948} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{4528193} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{4528193} = \mathbf{PI}(45, 7, 6, 7, 1, 0)_{44527} \\
\ell_{2949} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{269185} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{269185} = \mathbf{PI}(45, 7, 7, 7, 1, 0)_{44590}
\end{aligned}$$

$$\begin{aligned}
\ell_{2950} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{12785025} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{12785025} = \mathbf{Pl}(45, 7, 14, 7, 1, 0)_{45031} \\
\ell_{2951} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{8523457} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{8523457} = \mathbf{Pl}(45, 7, 9, 7, 1, 0)_{44716} \\
\ell_{2952} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{6392513} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{6392513} = \mathbf{Pl}(45, 7, 28, 7, 1, 0)_{45913} \\
\ell_{2953} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{16777729} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{16777729} = \mathbf{Pl}(45, 7, 27, 7, 1, 0)_{45850} \\
\ell_{2954} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{4264769} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{4264769} = \mathbf{Pl}(45, 7, 18, 7, 1, 0)_{45283} \\
\ell_{2955} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{11984641} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{11984641} = \mathbf{Pl}(45, 7, 21, 7, 1, 0)_{45472} \\
\ell_{2956} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{3199297} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{3199297} = \mathbf{Pl}(45, 7, 56, 7, 1, 0)_{47677} \\
\ell_{2957} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{7190529} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{7190529} = \mathbf{Pl}(45, 7, 63, 7, 1, 0)_{48118} \\
\ell_{2958} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{12519617} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{12519617} = \mathbf{Pl}(45, 7, 54, 7, 1, 0)_{47551} \\
\ell_{2959} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{9855361} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{9855361} = \mathbf{Pl}(45, 7, 49, 7, 1, 0)_{47236} \\
\ell_{2960} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{2133377} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{2133377} = \mathbf{Pl}(45, 7, 36, 7, 1, 0)_{46417} \\
\ell_{2961} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{6926465} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{6926465} = \mathbf{Pl}(45, 7, 35, 7, 1, 0)_{46354} \\
\ell_{2962} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{10123073} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{10123073} = \mathbf{Pl}(45, 7, 42, 7, 1, 0)_{46795} \\
\ell_{2963} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{5592833} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{5592833} = \mathbf{Pl}(45, 7, 45, 7, 1, 0)_{46984} \\
\ell_{2964} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{1600641} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{1600641} = \mathbf{Pl}(45, 7, 17, 7, 1, 0)_{45220} \\
\ell_{2965} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{11719553} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{11719553} = \mathbf{Pl}(45, 7, 22, 7, 1, 0)_{45535} \\
\ell_{2966} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{16247745} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{16247745} = \mathbf{Pl}(45, 7, 31, 7, 1, 0)_{46102} \\
\ell_{2967} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{7456769} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{7456769} = \mathbf{Pl}(45, 7, 24, 7, 1, 0)_{45661} \\
\ell_{2968} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{10387521} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{10387521} = \mathbf{Pl}(45, 7, 13, 7, 1, 0)_{44968} \\
\ell_{2969} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{3997569} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{3997569} = \mathbf{Pl}(45, 7, 10, 7, 1, 0)_{44779} \\
\ell_{2970} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{9056385} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{9056385} = \mathbf{Pl}(45, 7, 3, 7, 1, 0)_{44338}
\end{aligned}$$

$$\begin{aligned}
\ell_{2971} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{10920001} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{10920001} = \mathbf{Pl}(45, 7, 4, 7, 1, 0)_{44401} \\
\ell_{2972} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{1066689} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{1066689} = \mathbf{Pl}(45, 7, 41, 7, 1, 0)_{46732} \\
\ell_{2973} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{16513153} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{16513153} = \mathbf{Pl}(45, 7, 46, 7, 1, 0)_{47047} \\
\ell_{2974} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{3463233} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{3463233} = \mathbf{Pl}(45, 7, 39, 7, 1, 0)_{46606} \\
\ell_{2975} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{2396929} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{2396929} = \mathbf{Pl}(45, 7, 32, 7, 1, 0)_{46165} \\
\ell_{2976} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{5062529} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{5062529} = \mathbf{Pl}(45, 7, 53, 7, 1, 0)_{47488} \\
\ell_{2977} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{15980225} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{15980225} = \mathbf{Pl}(45, 7, 50, 7, 1, 0)_{47299} \\
\ell_{2978} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{15448897} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{15448897} = \mathbf{Pl}(45, 7, 59, 7, 1, 0)_{47866} \\
\ell_{2979} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{13317057} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{13317057} = \mathbf{Pl}(45, 7, 60, 7, 1, 0)_{47929} \\
\ell_{2980} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{800321} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{800321} = \mathbf{Pl}(45, 7, 34, 7, 1, 0)_{46291} \\
\ell_{2981} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{13049601} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{13049601} = \mathbf{Pl}(45, 7, 37, 7, 1, 0)_{46480} \\
\ell_{2982} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{5859777} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{5859777} = \mathbf{Pl}(45, 7, 44, 7, 1, 0)_{46921} \\
\ell_{2983} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{10655553} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{10655553} = \mathbf{Pl}(45, 7, 43, 7, 1, 0)_{46858} \\
\ell_{2984} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{12251585} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{12251585} = \mathbf{Pl}(45, 7, 62, 7, 1, 0)_{48055} \\
\ell_{2985} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{2932929} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{2932929} = \mathbf{Pl}(45, 7, 57, 7, 1, 0)_{47740} \\
\ell_{2986} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{3728385} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{3728385} = \mathbf{Pl}(45, 7, 48, 7, 1, 0)_{47173} \\
\ell_{2987} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{5328769} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{5328769} = \mathbf{Pl}(45, 7, 55, 7, 1, 0)_{47614} \\
\ell_{2988} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{9321473} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{9321473} = \mathbf{Pl}(45, 7, 26, 7, 1, 0)_{45787} \\
\ell_{2989} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{6128833} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{6128833} = \mathbf{Pl}(45, 7, 29, 7, 1, 0)_{45976} \\
\ell_{2990} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{14649217} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{14649217} = \mathbf{Pl}(45, 7, 20, 7, 1, 0)_{45409} \\
\ell_{2991} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{14115905} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{14115905} = \mathbf{Pl}(45, 7, 19, 7, 1, 0)_{45346}
\end{aligned}$$

$$\begin{aligned}
\ell_{2992} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{1864193} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{1864193} = \mathbf{Pl}(45, 7, 1, 7, 1, 0)_{44212} \\
\ell_{2993} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{9587713} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{9587713} = \mathbf{Pl}(45, 7, 8, 7, 1, 0)_{44653} \\
\ell_{2994} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{2664385} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{2664385} = \mathbf{Pl}(45, 7, 15, 7, 1, 0)_{45094} \\
\ell_{2995} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{536385} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{536385} = \mathbf{Pl}(45, 7, 51, 7, 1, 0)_{47362} \\
\ell_{2996} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{8791489} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{8791489} = \mathbf{Pl}(45, 7, 52, 7, 1, 0)_{47425} \\
\ell_{2997} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{8256577} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{8256577} = \mathbf{Pl}(45, 7, 61, 7, 1, 0)_{47992} \\
\ell_{2998} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{15713857} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{15713857} = \mathbf{Pl}(45, 7, 58, 7, 1, 0)_{47803} \\
\ell_{2999} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{14381057} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{14381057} = \mathbf{Pl}(45, 7, 47, 7, 1, 0)_{47110} \\
\ell_{3000} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{11453313} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{11453313} = \mathbf{Pl}(45, 7, 40, 7, 1, 0)_{46669} \\
\ell_{3001} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{13850945} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{13850945} = \mathbf{Pl}(45, 7, 33, 7, 1, 0)_{46228} \\
\ell_{3002} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{11185665} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{11185665} = \mathbf{Pl}(45, 7, 38, 7, 1, 0)_{46543} \\
\ell_{3003} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{15181697} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{15181697} = \mathbf{Pl}(45, 7, 11, 7, 1, 0)_{44842} \\
\ell_{3004} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{14913537} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{14913537} = \mathbf{Pl}(45, 7, 12, 7, 1, 0)_{44905} \\
\ell_{3005} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{7993153} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{7993153} = \mathbf{Pl}(45, 7, 5, 7, 1, 0)_{44464} \\
\ell_{3006} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{13584577} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{13584577} = \mathbf{Pl}(45, 7, 2, 7, 1, 0)_{44275} \\
\ell_{3007} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{7725441} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{7725441} = \mathbf{Pl}(45, 7, 23, 7, 1, 0)_{45598} \\
\ell_{3008} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{4793857} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{4793857} = \mathbf{Pl}(45, 7, 16, 7, 1, 0)_{45157} \\
\ell_{3009} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{6661569} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{6661569} = \mathbf{Pl}(45, 7, 25, 7, 1, 0)_{45724} \\
\ell_{3010} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{1335233} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{1335233} = \mathbf{Pl}(45, 7, 30, 7, 1, 0)_{46039} \\
\ell_{3011} &= \begin{bmatrix} 1 & \epsilon^{36} & \epsilon^{36} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9740900} = \begin{bmatrix} 1 & 36 & 36 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9740900} = \mathbf{Pl}(0, 36, 0, 36, 1, 0)_{16897} \\
\ell_{3012} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{2663745} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{2663745} = \mathbf{Pl}(46, 36, 37, 36, 1, 0)_{161582}
\end{aligned}$$

$$\begin{aligned}
\ell_{3013} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{269249} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{269249} = \mathbf{PI}(46, 36, 36, 36, 1, 0)_{161519} \\
\ell_{3014} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{12784065} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{12784065} = \mathbf{PI}(46, 36, 41, 36, 1, 0)_{161834} \\
\ell_{3015} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{8523393} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{8523393} = \mathbf{PI}(46, 36, 13, 36, 1, 0)_{160070} \\
\ell_{3016} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{6395073} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{6395073} = \mathbf{PI}(46, 36, 51, 36, 1, 0)_{162464} \\
\ell_{3017} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{16779777} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{16779777} = \mathbf{PI}(46, 36, 23, 36, 1, 0)_{160700} \\
\ell_{3018} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{4261697} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{4261697} = \mathbf{PI}(46, 36, 26, 36, 1, 0)_{160889} \\
\ell_{3019} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{11985281} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{11985281} = \mathbf{PI}(46, 36, 62, 36, 1, 0)_{163157} \\
\ell_{3020} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{3198529} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{3198529} = \mathbf{PI}(46, 36, 7, 36, 1, 0)_{159692} \\
\ell_{3021} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{7192769} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{7192769} = \mathbf{PI}(46, 36, 35, 36, 1, 0)_{161456} \\
\ell_{3022} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{12518593} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{12518593} = \mathbf{PI}(46, 36, 46, 36, 1, 0)_{162149} \\
\ell_{3023} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{9856257} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{9856257} = \mathbf{PI}(46, 36, 10, 36, 1, 0)_{159881} \\
\ell_{3024} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{2133889} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{2133889} = \mathbf{PI}(46, 36, 52, 36, 1, 0)_{162527} \\
\ell_{3025} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{6924289} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{6924289} = \mathbf{PI}(46, 36, 16, 36, 1, 0)_{160259} \\
\ell_{3026} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{10123393} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{10123393} = \mathbf{PI}(46, 36, 29, 36, 1, 0)_{161078} \\
\ell_{3027} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{5595969} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{5595969} = \mathbf{PI}(46, 36, 57, 36, 1, 0)_{162842} \\
\ell_{3028} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{1600257} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{1600257} = \mathbf{PI}(46, 36, 14, 36, 1, 0)_{160133} \\
\ell_{3029} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{11720897} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{11720897} = \mathbf{PI}(46, 36, 42, 36, 1, 0)_{161897} \\
\ell_{3030} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{16245825} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{16245825} = \mathbf{PI}(46, 36, 39, 36, 1, 0)_{161708} \\
\ell_{3031} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{7458561} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{7458561} = \mathbf{PI}(46, 36, 3, 36, 1, 0)_{159440} \\
\ell_{3032} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{10387009} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{10387009} = \mathbf{PI}(46, 36, 61, 36, 1, 0)_{163094} \\
\ell_{3033} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{3998529} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{3998529} = \mathbf{PI}(46, 36, 25, 36, 1, 0)_{160826}
\end{aligned}$$

$$\begin{aligned}
\ell_{3034} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{9056833} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{9056833} = \mathbf{Pl}(46, 36, 20, 36, 1, 0)_{160511} \\
\ell_{3035} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{10918593} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{10918593} = \mathbf{Pl}(46, 36, 48, 36, 1, 0)_{162275} \\
\ell_{3036} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{1066945} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{1066945} = \mathbf{Pl}(46, 36, 9, 36, 1, 0)_{159818} \\
\ell_{3037} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{16511297} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{16511297} = \mathbf{Pl}(46, 36, 45, 36, 1, 0)_{162086} \\
\ell_{3038} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{3462145} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{3462145} = \mathbf{Pl}(46, 36, 32, 36, 1, 0)_{161267} \\
\ell_{3039} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{2398273} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{2398273} = \mathbf{Pl}(46, 36, 4, 36, 1, 0)_{159503} \\
\ell_{3040} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{5061697} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{5061697} = \mathbf{Pl}(46, 36, 58, 36, 1, 0)_{162905} \\
\ell_{3041} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{15981953} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{15981953} = \mathbf{Pl}(46, 36, 30, 36, 1, 0)_{161141} \\
\ell_{3042} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{15447425} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{15447425} = \mathbf{Pl}(46, 36, 19, 36, 1, 0)_{160448} \\
\ell_{3043} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{13317889} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{13317889} = \mathbf{Pl}(46, 36, 55, 36, 1, 0)_{162716} \\
\ell_{3044} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{800129} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{800129} = \mathbf{Pl}(46, 36, 28, 36, 1, 0)_{161015} \\
\ell_{3045} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{13052545} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{13052545} = \mathbf{Pl}(46, 36, 56, 36, 1, 0)_{162779} \\
\ell_{3046} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{5861441} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{5861441} = \mathbf{Pl}(46, 36, 53, 36, 1, 0)_{162590} \\
\ell_{3047} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{10654977} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{10654977} = \mathbf{Pl}(46, 36, 17, 36, 1, 0)_{160322} \\
\ell_{3048} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{12250625} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{12250625} = \mathbf{Pl}(46, 36, 47, 36, 1, 0)_{162212} \\
\ell_{3049} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{2931713} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{2931713} = \mathbf{Pl}(46, 36, 11, 36, 1, 0)_{159944} \\
\ell_{3050} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{3729281} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{3729281} = \mathbf{Pl}(46, 36, 6, 36, 1, 0)_{159629} \\
\ell_{3051} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{5327489} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{5327489} = \mathbf{Pl}(46, 36, 34, 36, 1, 0)_{161393} \\
\ell_{3052} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{9321217} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{9321217} = \mathbf{Pl}(46, 36, 27, 36, 1, 0)_{160952} \\
\ell_{3053} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{6125313} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{6125313} = \mathbf{Pl}(46, 36, 63, 36, 1, 0)_{163220} \\
\ell_{3054} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{14648705} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{14648705} = \mathbf{Pl}(46, 36, 50, 36, 1, 0)_{162401}
\end{aligned}$$

$$\begin{aligned}
\ell_{3055} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{14116289} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{14116289} = \mathbf{PI}(46, 36, 22, 36, 1, 0)_{160637} \\
\ell_{3056} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{4529409} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{4529409} = \mathbf{PI}(46, 36, 40, 36, 1, 0)_{161771} \\
\ell_{3057} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{1864641} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{1864641} = \mathbf{PI}(46, 36, 12, 36, 1, 0)_{160007} \\
\ell_{3058} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{9587009} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{9587009} = \mathbf{PI}(46, 36, 1, 36, 1, 0)_{159314} \\
\ell_{3059} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{536513} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{536513} = \mathbf{PI}(46, 36, 18, 36, 1, 0)_{160385} \\
\ell_{3060} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{8791361} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{8791361} = \mathbf{PI}(46, 36, 54, 36, 1, 0)_{162653} \\
\ell_{3061} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{8258689} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{8258689} = \mathbf{PI}(46, 36, 59, 36, 1, 0)_{162968} \\
\ell_{3062} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{15715137} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{15715137} = \mathbf{PI}(46, 36, 31, 36, 1, 0)_{161204} \\
\ell_{3063} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{14383553} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{14383553} = \mathbf{PI}(46, 36, 33, 36, 1, 0)_{161330} \\
\ell_{3064} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{11455105} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{11455105} = \mathbf{PI}(46, 36, 5, 36, 1, 0)_{159566} \\
\ell_{3065} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{13848577} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{13848577} = \mathbf{PI}(46, 36, 8, 36, 1, 0)_{159755} \\
\ell_{3066} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{11185857} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{11185857} = \mathbf{PI}(46, 36, 44, 36, 1, 0)_{162023} \\
\ell_{3067} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{15180289} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{15180289} = \mathbf{PI}(46, 36, 21, 36, 1, 0)_{160574} \\
\ell_{3068} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{14915137} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{14915137} = \mathbf{PI}(46, 36, 49, 36, 1, 0)_{162338} \\
\ell_{3069} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{7990977} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{7990977} = \mathbf{PI}(46, 36, 60, 36, 1, 0)_{163031} \\
\ell_{3070} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{13581761} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{13581761} = \mathbf{PI}(46, 36, 24, 36, 1, 0)_{160763} \\
\ell_{3071} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{7723713} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{7723713} = \mathbf{PI}(46, 36, 38, 36, 1, 0)_{161645} \\
\ell_{3072} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{4796545} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{4796545} = \mathbf{PI}(46, 36, 2, 36, 1, 0)_{159377} \\
\ell_{3073} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{6658945} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{6658945} = \mathbf{PI}(46, 36, 15, 36, 1, 0)_{160196} \\
\ell_{3074} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{1334913} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{1334913} = \mathbf{PI}(46, 36, 43, 36, 1, 0)_{161960} \\
\ell_{3075} &= \begin{bmatrix} 1 & \epsilon^{54} & \epsilon^{54} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2708810} = \begin{bmatrix} 1 & 10 & 10 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2708810} = \mathbf{PI}(0, 10, 0, 10, 1, 0)_{13569}
\end{aligned}$$

$$\begin{aligned}
\ell_{3076} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{9589313} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{9589313} = \mathbf{PI}(47, 10, 11, 10, 1, 0)_{56751} \\
\ell_{3077} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{269313} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{269313} = \mathbf{PI}(47, 10, 10, 10, 1, 0)_{56688} \\
\ell_{3078} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{12785089} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{12785089} = \mathbf{PI}(47, 10, 20, 10, 1, 0)_{57318} \\
\ell_{3079} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{8525441} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{8525441} = \mathbf{PI}(47, 10, 30, 10, 1, 0)_{57948} \\
\ell_{3080} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{6393537} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{6393537} = \mathbf{PI}(47, 10, 40, 10, 1, 0)_{58578} \\
\ell_{3081} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{16778561} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{16778561} = \mathbf{PI}(47, 10, 34, 10, 1, 0)_{58200} \\
\ell_{3082} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{4262721} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{4262721} = \mathbf{PI}(47, 10, 60, 10, 1, 0)_{59838} \\
\ell_{3083} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{11987009} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{11987009} = \mathbf{PI}(47, 10, 54, 10, 1, 0)_{59460} \\
\ell_{3084} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{3197761} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{3197761} = \mathbf{PI}(47, 10, 49, 10, 1, 0)_{59145} \\
\ell_{3085} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{7193473} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{7193473} = \mathbf{PI}(47, 10, 59, 10, 1, 0)_{59775} \\
\ell_{3086} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{12516993} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{12516993} = \mathbf{PI}(47, 10, 37, 10, 1, 0)_{58389} \\
\ell_{3087} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{9853889} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{9853889} = \mathbf{PI}(47, 10, 47, 10, 1, 0)_{59019} \\
\ell_{3088} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{2134401} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{2134401} = \mathbf{PI}(47, 10, 25, 10, 1, 0)_{57633} \\
\ell_{3089} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{6925697} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{6925697} = \mathbf{PI}(47, 10, 19, 10, 1, 0)_{57255} \\
\ell_{3090} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{10121217} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{10121217} = \mathbf{PI}(47, 10, 13, 10, 1, 0)_{56877} \\
\ell_{3091} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{5595265} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{5595265} = \mathbf{PI}(47, 10, 7, 10, 1, 0)_{56499} \\
\ell_{3092} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{1599873} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{1599873} = \mathbf{PI}(47, 10, 3, 10, 1, 0)_{56247} \\
\ell_{3093} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{11719105} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{11719105} = \mathbf{PI}(47, 10, 9, 10, 1, 0)_{56625} \\
\ell_{3094} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{16247169} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{16247169} = \mathbf{PI}(47, 10, 23, 10, 1, 0)_{57507} \\
\ell_{3095} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{7460353} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{7460353} = \mathbf{PI}(47, 10, 29, 10, 1, 0)_{57885} \\
\ell_{3096} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{10389249} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{10389249} = \mathbf{PI}(47, 10, 43, 10, 1, 0)_{58767}
\end{aligned}$$

$$\begin{aligned}
\ell_{3097} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{3997697} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{3997697} = \mathbf{PI}(47, 10, 33, 10, 1, 0)_{58137} \\
\ell_{3098} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{9054657} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{9054657} = \mathbf{PI}(47, 10, 63, 10, 1, 0)_{60027} \\
\ell_{3099} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{10921217} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{10921217} = \mathbf{PI}(47, 10, 53, 10, 1, 0)_{59397} \\
\ell_{3100} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{1067201} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{1067201} = \mathbf{PI}(47, 10, 50, 10, 1, 0)_{59208} \\
\ell_{3101} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{16514497} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{16514497} = \mathbf{PI}(47, 10, 56, 10, 1, 0)_{59586} \\
\ell_{3102} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{3462849} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{3462849} = \mathbf{PI}(47, 10, 38, 10, 1, 0)_{58452} \\
\ell_{3103} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{2397825} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{2397825} = \mathbf{PI}(47, 10, 44, 10, 1, 0)_{58830} \\
\ell_{3104} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{5060609} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{5060609} = \mathbf{PI}(47, 10, 26, 10, 1, 0)_{57696} \\
\ell_{3105} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{15978625} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{15978625} = \mathbf{PI}(47, 10, 16, 10, 1, 0)_{57066} \\
\ell_{3106} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{15448065} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{15448065} = \mathbf{PI}(47, 10, 14, 10, 1, 0)_{56940} \\
\ell_{3107} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{13316737} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{13316737} = \mathbf{PI}(47, 10, 4, 10, 1, 0)_{56310} \\
\ell_{3108} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{799937} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{799937} = \mathbf{PI}(47, 10, 6, 10, 1, 0)_{56436} \\
\ell_{3109} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{13049409} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{13049409} = \mathbf{PI}(47, 10, 12, 10, 1, 0)_{56814} \\
\ell_{3110} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{5862593} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{5862593} = \mathbf{PI}(47, 10, 18, 10, 1, 0)_{57192} \\
\ell_{3111} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{10652417} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{10652417} = \mathbf{PI}(47, 10, 24, 10, 1, 0)_{57570} \\
\ell_{3112} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{12252289} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{12252289} = \mathbf{PI}(47, 10, 46, 10, 1, 0)_{58956} \\
\ell_{3113} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{2932289} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{2932289} = \mathbf{PI}(47, 10, 36, 10, 1, 0)_{58326} \\
\ell_{3114} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{3730177} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{3730177} = \mathbf{PI}(47, 10, 58, 10, 1, 0)_{59712} \\
\ell_{3115} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{5326209} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{5326209} = \mathbf{PI}(47, 10, 48, 10, 1, 0)_{59082} \\
\ell_{3116} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{9323329} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{9323329} = \mathbf{PI}(47, 10, 55, 10, 1, 0)_{59523} \\
\ell_{3117} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{6126145} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{6126145} = \mathbf{PI}(47, 10, 61, 10, 1, 0)_{59901}
\end{aligned}$$

$$\begin{aligned}
\ell_{3118} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{14649281} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{14649281} = \mathbf{PI}(47, 10, 35, 10, 1, 0)_{58263} \\
\ell_{3119} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{14115585} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{14115585} = \mathbf{PI}(47, 10, 41, 10, 1, 0)_{58641} \\
\ell_{3120} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{4530369} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{4530369} = \mathbf{PI}(47, 10, 31, 10, 1, 0)_{58011} \\
\ell_{3121} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{1865089} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{1865089} = \mathbf{PI}(47, 10, 21, 10, 1, 0)_{57381} \\
\ell_{3122} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{2663105} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{2663105} = \mathbf{PI}(47, 10, 1, 10, 1, 0)_{56121} \\
\ell_{3123} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{536641} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{536641} = \mathbf{PI}(47, 10, 5, 10, 1, 0)_{56373} \\
\ell_{3124} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{8789377} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{8789377} = \mathbf{PI}(47, 10, 15, 10, 1, 0)_{57003} \\
\ell_{3125} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{8258241} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{8258241} = \mathbf{PI}(47, 10, 17, 10, 1, 0)_{57129} \\
\ell_{3126} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{15712513} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{15712513} = \mathbf{PI}(47, 10, 27, 10, 1, 0)_{57759} \\
\ell_{3127} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{14380865} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{14380865} = \mathbf{PI}(47, 10, 45, 10, 1, 0)_{58893} \\
\ell_{3128} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{11452353} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{11452353} = \mathbf{PI}(47, 10, 39, 10, 1, 0)_{58515} \\
\ell_{3129} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{13851393} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{13851393} = \mathbf{PI}(47, 10, 57, 10, 1, 0)_{59649} \\
\ell_{3130} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{11188545} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{11188545} = \mathbf{PI}(47, 10, 51, 10, 1, 0)_{59271} \\
\ell_{3131} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{15182785} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{15182785} = \mathbf{PI}(47, 10, 52, 10, 1, 0)_{59334} \\
\ell_{3132} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{14914625} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{14914625} = \mathbf{PI}(47, 10, 62, 10, 1, 0)_{59964} \\
\ell_{3133} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{7989313} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{7989313} = \mathbf{PI}(47, 10, 32, 10, 1, 0)_{58074} \\
\ell_{3134} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{13585025} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{13585025} = \mathbf{PI}(47, 10, 42, 10, 1, 0)_{58704} \\
\ell_{3135} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{7724033} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{7724033} = \mathbf{PI}(47, 10, 28, 10, 1, 0)_{57822} \\
\ell_{3136} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{4795649} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{4795649} = \mathbf{PI}(47, 10, 22, 10, 1, 0)_{57444} \\
\ell_{3137} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{6658369} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{6658369} = \mathbf{PI}(47, 10, 8, 10, 1, 0)_{56562} \\
\ell_{3138} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{1334593} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{1334593} = \mathbf{PI}(47, 10, 2, 10, 1, 0)_{56184}
\end{aligned}$$

$$\begin{aligned}
\ell_{3139} &= \begin{bmatrix} 1 & \epsilon & \epsilon & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{545090} = \begin{bmatrix} 1 & 2 & 2 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{545090} = \mathbf{PI}(0, 2, 0, 2, 1, 0)_{12545} \\
\ell_{3140} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{8790081} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{8790081} = \mathbf{PI}(48, 2, 3, 2, 1, 0)_{24496} \\
\ell_{3141} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{269377} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{269377} = \mathbf{PI}(48, 2, 2, 2, 1, 0)_{24433} \\
\ell_{3142} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{12784129} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{12784129} = \mathbf{PI}(48, 2, 4, 2, 1, 0)_{24559} \\
\ell_{3143} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{8522753} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{8522753} = \mathbf{PI}(48, 2, 6, 2, 1, 0)_{24685} \\
\ell_{3144} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{6392065} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{6392065} = \mathbf{PI}(48, 2, 8, 2, 1, 0)_{24811} \\
\ell_{3145} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{16780161} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{16780161} = \mathbf{PI}(48, 2, 10, 2, 1, 0)_{24937} \\
\ell_{3146} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{4261377} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{4261377} = \mathbf{PI}(48, 2, 12, 2, 1, 0)_{25063} \\
\ell_{3147} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{11986113} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{11986113} = \mathbf{PI}(48, 2, 14, 2, 1, 0)_{25189} \\
\ell_{3148} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{3196033} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{3196033} = \mathbf{PI}(48, 2, 16, 2, 1, 0)_{25315} \\
\ell_{3149} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{7194113} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{7194113} = \mathbf{PI}(48, 2, 18, 2, 1, 0)_{25441} \\
\ell_{3150} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{12518785} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{12518785} = \mathbf{PI}(48, 2, 20, 2, 1, 0)_{25567} \\
\ell_{3151} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{9855425} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{9855425} = \mathbf{PI}(48, 2, 22, 2, 1, 0)_{25693} \\
\ell_{3152} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{2130689} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{2130689} = \mathbf{PI}(48, 2, 24, 2, 1, 0)_{25819} \\
\ell_{3153} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{6924737} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{6924737} = \mathbf{PI}(48, 2, 26, 2, 1, 0)_{25945} \\
\ell_{3154} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{10120769} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{10120769} = \mathbf{PI}(48, 2, 28, 2, 1, 0)_{26071} \\
\ell_{3155} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{5596097} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{5596097} = \mathbf{PI}(48, 2, 30, 2, 1, 0)_{26197} \\
\ell_{3156} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{1598017} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{1598017} = \mathbf{PI}(48, 2, 32, 2, 1, 0)_{26323} \\
\ell_{3157} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{11718785} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{11718785} = \mathbf{PI}(48, 2, 34, 2, 1, 0)_{26449} \\
\ell_{3158} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{16247489} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{16247489} = \mathbf{PI}(48, 2, 36, 2, 1, 0)_{26575} \\
\ell_{3159} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{7457409} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{7457409} = \mathbf{PI}(48, 2, 38, 2, 1, 0)_{26701}
\end{aligned}$$

$$\begin{aligned}
\ell_{3160} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{10388097} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{10388097} = \mathbf{Pl}(48, 2, 40, 2, 1, 0)_{26827} \\
\ell_{3161} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{3998081} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{3998081} = \mathbf{Pl}(48, 2, 42, 2, 1, 0)_{26953} \\
\ell_{3162} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{9055425} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{9055425} = \mathbf{Pl}(48, 2, 44, 2, 1, 0)_{27079} \\
\ell_{3163} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{10920769} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{10920769} = \mathbf{Pl}(48, 2, 46, 2, 1, 0)_{27205} \\
\ell_{3164} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{1065345} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{1065345} = \mathbf{Pl}(48, 2, 48, 2, 1, 0)_{27331} \\
\ell_{3165} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{16512833} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{16512833} = \mathbf{Pl}(48, 2, 50, 2, 1, 0)_{27457} \\
\ell_{3166} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{3465409} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{3465409} = \mathbf{Pl}(48, 2, 52, 2, 1, 0)_{27583} \\
\ell_{3167} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{2400065} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{2400065} = \mathbf{Pl}(48, 2, 54, 2, 1, 0)_{27709} \\
\ell_{3168} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{5063425} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{5063425} = \mathbf{Pl}(48, 2, 56, 2, 1, 0)_{27835} \\
\ell_{3169} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{15980161} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{15980161} = \mathbf{Pl}(48, 2, 58, 2, 1, 0)_{27961} \\
\ell_{3170} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{15447489} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{15447489} = \mathbf{Pl}(48, 2, 60, 2, 1, 0)_{28087} \\
\ell_{3171} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{13316801} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{13316801} = \mathbf{Pl}(48, 2, 62, 2, 1, 0)_{28213} \\
\ell_{3172} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{802049} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{802049} = \mathbf{Pl}(48, 2, 33, 2, 1, 0)_{26386} \\
\ell_{3173} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{13051457} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{13051457} = \mathbf{Pl}(48, 2, 35, 2, 1, 0)_{26512} \\
\ell_{3174} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{5859393} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{5859393} = \mathbf{Pl}(48, 2, 37, 2, 1, 0)_{26638} \\
\ell_{3175} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{10653441} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{10653441} = \mathbf{Pl}(48, 2, 39, 2, 1, 0)_{26764} \\
\ell_{3176} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{12251457} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{12251457} = \mathbf{Pl}(48, 2, 41, 2, 1, 0)_{26890} \\
\ell_{3177} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{2932737} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{2932737} = \mathbf{Pl}(48, 2, 43, 2, 1, 0)_{27016} \\
\ell_{3178} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{3728705} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{3728705} = \mathbf{Pl}(48, 2, 45, 2, 1, 0)_{27142} \\
\ell_{3179} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{5326721} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{5326721} = \mathbf{Pl}(48, 2, 47, 2, 1, 0)_{27268} \\
\ell_{3180} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{9322753} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{9322753} = \mathbf{Pl}(48, 2, 49, 2, 1, 0)_{27394}
\end{aligned}$$

$$\begin{aligned}
\ell_{3181} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{6128769} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{6128769} = \mathbf{Pl}(48, 2, 51, 2, 1, 0)_{27520} \\
\ell_{3182} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{14649473} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{14649473} = \mathbf{Pl}(48, 2, 53, 2, 1, 0)_{27646} \\
\ell_{3183} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{14116801} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{14116801} = \mathbf{Pl}(48, 2, 55, 2, 1, 0)_{27772} \\
\ell_{3184} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{4530753} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{4530753} = \mathbf{Pl}(48, 2, 57, 2, 1, 0)_{27898} \\
\ell_{3185} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{1867393} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{1867393} = \mathbf{Pl}(48, 2, 59, 2, 1, 0)_{28024} \\
\ell_{3186} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{9588097} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{9588097} = \mathbf{Pl}(48, 2, 61, 2, 1, 0)_{28150} \\
\ell_{3187} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{2663361} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{2663361} = \mathbf{Pl}(48, 2, 63, 2, 1, 0)_{28276} \\
\ell_{3188} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & 1 \end{bmatrix}_{532673} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{532673} = \mathbf{Pl}(48, 2, 1, 2, 1, 0)_{24370} \\
\ell_{3189} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{8259457} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{8259457} = \mathbf{Pl}(48, 2, 5, 2, 1, 0)_{24622} \\
\ell_{3190} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{15714817} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{15714817} = \mathbf{Pl}(48, 2, 7, 2, 1, 0)_{24748} \\
\ell_{3191} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{14382145} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{14382145} = \mathbf{Pl}(48, 2, 9, 2, 1, 0)_{24874} \\
\ell_{3192} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{11453441} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{11453441} = \mathbf{Pl}(48, 2, 11, 2, 1, 0)_{25000} \\
\ell_{3193} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{13849473} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{13849473} = \mathbf{Pl}(48, 2, 13, 2, 1, 0)_{25126} \\
\ell_{3194} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{11186113} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{11186113} = \mathbf{Pl}(48, 2, 15, 2, 1, 0)_{25252} \\
\ell_{3195} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{15182145} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{15182145} = \mathbf{Pl}(48, 2, 17, 2, 1, 0)_{25378} \\
\ell_{3196} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{14914817} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{14914817} = \mathbf{Pl}(48, 2, 19, 2, 1, 0)_{25504} \\
\ell_{3197} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{7990081} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{7990081} = \mathbf{Pl}(48, 2, 21, 2, 1, 0)_{25630} \\
\ell_{3198} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{13584129} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{13584129} = \mathbf{Pl}(48, 2, 23, 2, 1, 0)_{25756} \\
\ell_{3199} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{7726785} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{7726785} = \mathbf{Pl}(48, 2, 25, 2, 1, 0)_{25882} \\
\ell_{3200} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{4794049} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{4794049} = \mathbf{Pl}(48, 2, 27, 2, 1, 0)_{26008} \\
\ell_{3201} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{6661441} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{6661441} = \mathbf{Pl}(48, 2, 29, 2, 1, 0)_{26134}
\end{aligned}$$

$$\begin{aligned}
\ell_{3202} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{1334721} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{1334721} = \mathbf{PI}(48, 2, 31, 2, 1, 0)_{26260} \\
\ell_{3203} &= \begin{bmatrix} 1 & \epsilon^6 & \epsilon^6 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8929505} = \begin{bmatrix} 1 & 33 & 33 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8929505} = \mathbf{PI}(0, 33, 0, 33, 1, 0)_{16513} \\
\ell_{3204} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{532801} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{532801} = \mathbf{PI}(49, 33, 32, 33, 1, 0)_{149363} \\
\ell_{3205} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{269441} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{269441} = \mathbf{PI}(49, 33, 33, 33, 1, 0)_{149426} \\
\ell_{3206} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{12785153} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{12785153} = \mathbf{PI}(49, 33, 35, 33, 1, 0)_{149552} \\
\ell_{3207} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{8524801} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{8524801} = \mathbf{PI}(49, 33, 2, 33, 1, 0)_{147473} \\
\ell_{3208} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{6392577} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{6392577} = \mathbf{PI}(49, 33, 39, 33, 1, 0)_{149804} \\
\ell_{3209} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{16778177} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{16778177} = \mathbf{PI}(49, 33, 6, 33, 1, 0)_{147725} \\
\ell_{3210} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{4262401} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{4262401} = \mathbf{PI}(49, 33, 4, 33, 1, 0)_{147599} \\
\ell_{3211} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{11984385} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{11984385} = \mathbf{PI}(49, 33, 37, 33, 1, 0)_{149678} \\
\ell_{3212} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{3196289} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{3196289} = \mathbf{PI}(49, 33, 47, 33, 1, 0)_{150308} \\
\ell_{3213} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{7192641} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{7192641} = \mathbf{PI}(49, 33, 14, 33, 1, 0)_{148229} \\
\ell_{3214} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{12516801} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{12516801} = \mathbf{PI}(49, 33, 12, 33, 1, 0)_{148103} \\
\ell_{3215} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{9853697} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{9853697} = \mathbf{PI}(49, 33, 45, 33, 1, 0)_{150182} \\
\ell_{3216} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{2131201} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{2131201} = \mathbf{PI}(49, 33, 8, 33, 1, 0)_{147851} \\
\ell_{3217} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{6925377} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{6925377} = \mathbf{PI}(49, 33, 41, 33, 1, 0)_{149930} \\
\ell_{3218} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{10122945} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{10122945} = \mathbf{PI}(49, 33, 43, 33, 1, 0)_{150056} \\
\ell_{3219} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{5595393} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{5595393} = \mathbf{PI}(49, 33, 10, 33, 1, 0)_{147977} \\
\ell_{3220} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{1598145} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{1598145} = \mathbf{PI}(49, 33, 63, 33, 1, 0)_{151316} \\
\ell_{3221} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{11721089} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{11721089} = \mathbf{PI}(49, 33, 30, 33, 1, 0)_{149237} \\
\ell_{3222} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{16245761} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{16245761} = \mathbf{PI}(49, 33, 28, 33, 1, 0)_{149111}
\end{aligned}$$

$$\begin{aligned}
\ell_{3223} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{7457665} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{7457665} = \mathbf{Pl}(49, 33, 61, 33, 1, 0)_{151190} \\
\ell_{3224} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{10386113} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{10386113} = \mathbf{Pl}(49, 33, 24, 33, 1, 0)_{148859} \\
\ell_{3225} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{3998145} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{3998145} = \mathbf{Pl}(49, 33, 57, 33, 1, 0)_{150938} \\
\ell_{3226} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{9057601} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{9057601} = \mathbf{Pl}(49, 33, 59, 33, 1, 0)_{151064} \\
\ell_{3227} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{10919297} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{10919297} = \mathbf{Pl}(49, 33, 26, 33, 1, 0)_{148985} \\
\ell_{3228} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{1065601} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{1065601} = \mathbf{Pl}(49, 33, 16, 33, 1, 0)_{148355} \\
\ell_{3229} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{16512961} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{16512961} = \mathbf{Pl}(49, 33, 49, 33, 1, 0)_{150434} \\
\ell_{3230} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{3465729} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{3465729} = \mathbf{Pl}(49, 33, 51, 33, 1, 0)_{150560} \\
\ell_{3231} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{2400641} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{2400641} = \mathbf{Pl}(49, 33, 18, 33, 1, 0)_{148481} \\
\ell_{3232} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{5062465} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{5062465} = \mathbf{Pl}(49, 33, 55, 33, 1, 0)_{150812} \\
\ell_{3233} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{15980417} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{15980417} = \mathbf{Pl}(49, 33, 22, 33, 1, 0)_{148733} \\
\ell_{3234} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{15448129} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{15448129} = \mathbf{Pl}(49, 33, 20, 33, 1, 0)_{148607} \\
\ell_{3235} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{13317953} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{13317953} = \mathbf{Pl}(49, 33, 53, 33, 1, 0)_{150686} \\
\ell_{3236} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{802113} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{802113} = \mathbf{Pl}(49, 33, 31, 33, 1, 0)_{149300} \\
\ell_{3237} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{13050497} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{13050497} = \mathbf{Pl}(49, 33, 62, 33, 1, 0)_{151253} \\
\ell_{3238} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{5860545} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{5860545} = \mathbf{Pl}(49, 33, 60, 33, 1, 0)_{151127} \\
\ell_{3239} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{10656001} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{10656001} = \mathbf{Pl}(49, 33, 29, 33, 1, 0)_{149174} \\
\ell_{3240} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{12253633} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{12253633} = \mathbf{Pl}(49, 33, 56, 33, 1, 0)_{150875} \\
\ell_{3241} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{2933313} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{2933313} = \mathbf{Pl}(49, 33, 25, 33, 1, 0)_{148922} \\
\ell_{3242} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{3728833} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{3728833} = \mathbf{Pl}(49, 33, 27, 33, 1, 0)_{149048} \\
\ell_{3243} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{5328001} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{5328001} = \mathbf{Pl}(49, 33, 58, 33, 1, 0)_{151001}
\end{aligned}$$

$$\begin{aligned}
\ell_{3244} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{9320769} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{9320769} = \mathbf{Pl}(49, 33, 48, 33, 1, 0)_{150371} \\
\ell_{3245} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{6127809} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{6127809} = \mathbf{Pl}(49, 33, 17, 33, 1, 0)_{148418} \\
\ell_{3246} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{14648513} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{14648513} = \mathbf{Pl}(49, 33, 19, 33, 1, 0)_{148544} \\
\ell_{3247} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{14116097} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{14116097} = \mathbf{Pl}(49, 33, 50, 33, 1, 0)_{150497} \\
\ell_{3248} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{4529793} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{4529793} = \mathbf{Pl}(49, 33, 23, 33, 1, 0)_{148796} \\
\ell_{3249} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{1867457} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{1867457} = \mathbf{Pl}(49, 33, 54, 33, 1, 0)_{150749} \\
\ell_{3250} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{9590401} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{9590401} = \mathbf{Pl}(49, 33, 52, 33, 1, 0)_{150623} \\
\ell_{3251} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{2664001} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{2664001} = \mathbf{Pl}(49, 33, 21, 33, 1, 0)_{148670} \\
\ell_{3252} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{8788097} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{8788097} = \mathbf{Pl}(49, 33, 1, 33, 1, 0)_{147410} \\
\ell_{3253} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{8257473} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{8257473} = \mathbf{Pl}(49, 33, 3, 33, 1, 0)_{147536} \\
\ell_{3254} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{15713345} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{15713345} = \mathbf{Pl}(49, 33, 34, 33, 1, 0)_{149489} \\
\ell_{3255} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{14383297} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{14383297} = \mathbf{Pl}(49, 33, 7, 33, 1, 0)_{147788} \\
\ell_{3256} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{11451969} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{11451969} = \mathbf{Pl}(49, 33, 38, 33, 1, 0)_{149741} \\
\ell_{3257} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{13850753} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{13850753} = \mathbf{Pl}(49, 33, 36, 33, 1, 0)_{149615} \\
\ell_{3258} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{11188801} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{11188801} = \mathbf{Pl}(49, 33, 5, 33, 1, 0)_{147662} \\
\ell_{3259} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{15180673} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{15180673} = \mathbf{Pl}(49, 33, 15, 33, 1, 0)_{148292} \\
\ell_{3260} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{14915329} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{14915329} = \mathbf{Pl}(49, 33, 46, 33, 1, 0)_{150245} \\
\ell_{3261} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{7990209} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{7990209} = \mathbf{Pl}(49, 33, 44, 33, 1, 0)_{150119} \\
\ell_{3262} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{13583169} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{13583169} = \mathbf{Pl}(49, 33, 13, 33, 1, 0)_{148166} \\
\ell_{3263} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{7725057} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{7725057} = \mathbf{Pl}(49, 33, 40, 33, 1, 0)_{149867} \\
\ell_{3264} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{4795201} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{4795201} = \mathbf{Pl}(49, 33, 9, 33, 1, 0)_{147914}
\end{aligned}$$

$$\begin{aligned}
\ell_{3265} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{6659969} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{6659969} = \mathbf{Pl}(49, 33, 11, 33, 1, 0)_{148040} \\
\ell_{3266} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{1335041} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{1335041} = \mathbf{Pl}(49, 33, 42, 33, 1, 0)_{149993} \\
\ell_{3267} &= \begin{bmatrix} 1 & \epsilon^{11} & \epsilon^{11} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8388575} = \begin{bmatrix} 1 & 31 & 31 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8388575} = \mathbf{Pl}(0, 31, 0, 31, 1, 0)_{16257} \\
\ell_{3268} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{15715649} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{15715649} = \mathbf{Pl}(50, 31, 30, 31, 1, 0)_{141300} \\
\ell_{3269} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{269505} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{269505} = \mathbf{Pl}(50, 31, 31, 31, 1, 0)_{141363} \\
\ell_{3270} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{12784193} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{12784193} = \mathbf{Pl}(50, 31, 62, 31, 1, 0)_{143316} \\
\ell_{3271} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{8524865} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{8524865} = \mathbf{Pl}(50, 31, 33, 31, 1, 0)_{141489} \\
\ell_{3272} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{6395137} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{6395137} = \mathbf{Pl}(50, 31, 29, 31, 1, 0)_{141237} \\
\ell_{3273} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{16780225} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{16780225} = \mathbf{Pl}(50, 31, 2, 31, 1, 0)_{139536} \\
\ell_{3274} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{4263425} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{4263425} = \mathbf{Pl}(50, 31, 35, 31, 1, 0)_{141615} \\
\ell_{3275} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{11985537} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{11985537} = \mathbf{Pl}(50, 31, 60, 31, 1, 0)_{143190} \\
\ell_{3276} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{3197569} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{3197569} = \mathbf{Pl}(50, 31, 58, 31, 1, 0)_{143064} \\
\ell_{3277} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{7190913} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{7190913} = \mathbf{Pl}(50, 31, 37, 31, 1, 0)_{141741} \\
\ell_{3278} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{12517825} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{12517825} = \mathbf{Pl}(50, 31, 4, 31, 1, 0)_{139662} \\
\ell_{3279} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{9853825} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{9853825} = \mathbf{Pl}(50, 31, 27, 31, 1, 0)_{141111} \\
\ell_{3280} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{2131713} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{2131713} = \mathbf{Pl}(50, 31, 39, 31, 1, 0)_{141867} \\
\ell_{3281} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{6927553} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{6927553} = \mathbf{Pl}(50, 31, 56, 31, 1, 0)_{142938} \\
\ell_{3282} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{10123521} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{10123521} = \mathbf{Pl}(50, 31, 25, 31, 1, 0)_{140985} \\
\ell_{3283} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{5593409} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{5593409} = \mathbf{Pl}(50, 31, 6, 31, 1, 0)_{139788} \\
\ell_{3284} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{1598785} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{1598785} = \mathbf{Pl}(50, 31, 21, 31, 1, 0)_{140733} \\
\ell_{3285} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{11720385} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{11720385} = \mathbf{Pl}(50, 31, 10, 31, 1, 0)_{140040}
\end{aligned}$$

$$\begin{aligned}
\ell_{3286} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{16247937} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{16247937} = \mathbf{Pl}(50, 31, 43, 31, 1, 0)_{142119} \\
\ell_{3287} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{7459969} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{7459969} = \mathbf{Pl}(50, 31, 52, 31, 1, 0)_{142686} \\
\ell_{3288} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{10386625} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{10386625} = \mathbf{Pl}(50, 31, 8, 31, 1, 0)_{139914} \\
\ell_{3289} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{3997185} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{3997185} = \mathbf{Pl}(50, 31, 23, 31, 1, 0)_{140859} \\
\ell_{3290} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{9057665} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{9057665} = \mathbf{Pl}(50, 31, 54, 31, 1, 0)_{142812} \\
\ell_{3291} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{10919937} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{10919937} = \mathbf{Pl}(50, 31, 41, 31, 1, 0)_{141993} \\
\ell_{3292} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{1065857} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{1065857} = \mathbf{Pl}(50, 31, 47, 31, 1, 0)_{142371} \\
\ell_{3293} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{16510977} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{16510977} = \mathbf{Pl}(50, 31, 48, 31, 1, 0)_{142434} \\
\ell_{3294} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{3464769} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{3464769} = \mathbf{Pl}(50, 31, 17, 31, 1, 0)_{140481} \\
\ell_{3295} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{2399169} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{2399169} = \mathbf{Pl}(50, 31, 14, 31, 1, 0)_{140292} \\
\ell_{3296} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{5061761} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{5061761} = \mathbf{Pl}(50, 31, 50, 31, 1, 0)_{142560} \\
\ell_{3297} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{15978689} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{15978689} = \mathbf{Pl}(50, 31, 45, 31, 1, 0)_{142245} \\
\ell_{3298} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{15446145} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{15446145} = \mathbf{Pl}(50, 31, 12, 31, 1, 0)_{140166} \\
\ell_{3299} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{13316993} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{13316993} = \mathbf{Pl}(50, 31, 19, 31, 1, 0)_{140607} \\
\ell_{3300} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{802433} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{802433} = \mathbf{Pl}(50, 31, 42, 31, 1, 0)_{142056} \\
\ell_{3301} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{13051649} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{13051649} = \mathbf{Pl}(50, 31, 53, 31, 1, 0)_{142749} \\
\ell_{3302} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{5861185} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{5861185} = \mathbf{Pl}(50, 31, 20, 31, 1, 0)_{140670} \\
\ell_{3303} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{10654529} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{10654529} = \mathbf{Pl}(50, 31, 11, 31, 1, 0)_{140103} \\
\ell_{3304} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{12252673} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{12252673} = \mathbf{Pl}(50, 31, 55, 31, 1, 0)_{142875} \\
\ell_{3305} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{2931585} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{2931585} = \mathbf{Pl}(50, 31, 40, 31, 1, 0)_{141930} \\
\ell_{3306} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{3729985} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{3729985} = \mathbf{Pl}(50, 31, 9, 31, 1, 0)_{139977}
\end{aligned}$$

$$\begin{aligned}
\ell_{3307} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{5328257} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{5328257} = \mathbf{Pl}(50, 31, 22, 31, 1, 0)_{140796} \\
\ell_{3308} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{9321025} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{9321025} = \mathbf{Pl}(50, 31, 16, 31, 1, 0)_{140418} \\
\ell_{3309} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{6126337} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{6126337} = \mathbf{Pl}(50, 31, 15, 31, 1, 0)_{140355} \\
\ell_{3310} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{14649025} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{14649025} = \mathbf{Pl}(50, 31, 46, 31, 1, 0)_{142308} \\
\ell_{3311} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{14116225} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{14116225} = \mathbf{Pl}(50, 31, 49, 31, 1, 0)_{142497} \\
\ell_{3312} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{4528833} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{4528833} = \mathbf{Pl}(50, 31, 13, 31, 1, 0)_{140229} \\
\ell_{3313} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{1868033} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{1868033} = \mathbf{Pl}(50, 31, 18, 31, 1, 0)_{140544} \\
\ell_{3314} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{9590721} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{9590721} = \mathbf{Pl}(50, 31, 51, 31, 1, 0)_{142623} \\
\ell_{3315} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{2664129} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{2664129} = \mathbf{Pl}(50, 31, 44, 31, 1, 0)_{142182} \\
\ell_{3316} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{532929} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{532929} = \mathbf{Pl}(50, 31, 63, 31, 1, 0)_{143379} \\
\ell_{3317} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{8788225} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{8788225} = \mathbf{Pl}(50, 31, 32, 31, 1, 0)_{141426} \\
\ell_{3318} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{8255489} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{8255489} = \mathbf{Pl}(50, 31, 1, 31, 1, 0)_{139473} \\
\ell_{3319} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{14381825} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{14381825} = \mathbf{Pl}(50, 31, 34, 31, 1, 0)_{141552} \\
\ell_{3320} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{11452225} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{11452225} = \mathbf{Pl}(50, 31, 61, 31, 1, 0)_{143253} \\
\ell_{3321} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{13849025} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{13849025} = \mathbf{Pl}(50, 31, 28, 31, 1, 0)_{141174} \\
\ell_{3322} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{11186817} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{11186817} = \mathbf{Pl}(50, 31, 3, 31, 1, 0)_{139599} \\
\ell_{3323} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{15183361} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{15183361} = \mathbf{Pl}(50, 31, 5, 31, 1, 0)_{139725} \\
\ell_{3324} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{14913857} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{14913857} = \mathbf{Pl}(50, 31, 26, 31, 1, 0)_{141048} \\
\ell_{3325} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{7992385} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{7992385} = \mathbf{Pl}(50, 31, 59, 31, 1, 0)_{143127} \\
\ell_{3326} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{13584449} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{13584449} = \mathbf{Pl}(50, 31, 36, 31, 1, 0)_{141678} \\
\ell_{3327} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{7723073} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{7723073} = \mathbf{Pl}(50, 31, 24, 31, 1, 0)_{140922}
\end{aligned}$$

$$\begin{aligned}
\ell_{3328} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{4796353} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{4796353} = \mathbf{Pl}(50, 31, 7, 31, 1, 0)_{139851} \\
\ell_{3329} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{6658497} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{6658497} = \mathbf{Pl}(50, 31, 38, 31, 1, 0)_{141804} \\
\ell_{3330} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{1335105} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{1335105} = \mathbf{Pl}(50, 31, 57, 31, 1, 0)_{143001} \\
\ell_{3331} &= \begin{bmatrix} 1 & \epsilon^{25} & \epsilon^{25} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15961595} = \begin{bmatrix} 1 & 59 & 59 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15961595} = \mathbf{Pl}(0, 59, 0, 59, 1, 0)_{19841} \\
\ell_{3332} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{8257345} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{8257345} = \mathbf{Pl}(51, 59, 58, 59, 1, 0)_{254197} \\
\ell_{3333} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{269569} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{269569} = \mathbf{Pl}(51, 59, 59, 59, 1, 0)_{254260} \\
\ell_{3334} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{12785217} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{12785217} = \mathbf{Pl}(51, 59, 23, 59, 1, 0)_{251992} \\
\ell_{3335} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{8522817} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{8522817} = \mathbf{Pl}(51, 59, 44, 59, 1, 0)_{253315} \\
\ell_{3336} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{6393601} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{6393601} = \mathbf{Pl}(51, 59, 46, 59, 1, 0)_{253441} \\
\ell_{3337} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{16778113} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{16778113} = \mathbf{Pl}(51, 59, 21, 59, 1, 0)_{251866} \\
\ell_{3338} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{4264449} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{4264449} = \mathbf{Pl}(51, 59, 57, 59, 1, 0)_{254134} \\
\ell_{3339} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{11986753} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{11986753} = \mathbf{Pl}(51, 59, 2, 59, 1, 0)_{250669} \\
\ell_{3340} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{3196801} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{3196801} = \mathbf{Pl}(51, 59, 61, 59, 1, 0)_{254386} \\
\ell_{3341} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{7191233} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{7191233} = \mathbf{Pl}(51, 59, 6, 59, 1, 0)_{250921} \\
\ell_{3342} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{12519809} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{12519809} = \mathbf{Pl}(51, 59, 42, 59, 1, 0)_{253189} \\
\ell_{3343} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{9856065} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{9856065} = \mathbf{Pl}(51, 59, 17, 59, 1, 0)_{251614} \\
\ell_{3344} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{2132225} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{2132225} = \mathbf{Pl}(51, 59, 19, 59, 1, 0)_{251740} \\
\ell_{3345} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{6926145} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{6926145} = \mathbf{Pl}(51, 59, 40, 59, 1, 0)_{253063} \\
\ell_{3346} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{10121089} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{10121089} = \mathbf{Pl}(51, 59, 4, 59, 1, 0)_{250795} \\
\ell_{3347} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{5592705} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{5592705} = \mathbf{Pl}(51, 59, 63, 59, 1, 0)_{254512} \\
\ell_{3348} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{1598401} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{1598401} = \mathbf{Pl}(51, 59, 27, 59, 1, 0)_{252244}
\end{aligned}$$

$$\begin{aligned}
\ell_{3349} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{11717569} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{11717569} = \mathbf{Pl}(51, 59, 32, 59, 1, 0)_{252559} \\
\ell_{3350} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{16245057} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{16245057} = \mathbf{Pl}(51, 59, 12, 59, 1, 0)_{251299} \\
\ell_{3351} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{7459201} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{7459201} = \mathbf{Pl}(51, 59, 55, 59, 1, 0)_{254008} \\
\ell_{3352} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{10388609} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{10388609} = \mathbf{Pl}(51, 59, 53, 59, 1, 0)_{253882} \\
\ell_{3353} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{3996993} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{3996993} = \mathbf{Pl}(51, 59, 14, 59, 1, 0)_{251425} \\
\ell_{3354} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{9055745} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{9055745} = \mathbf{Pl}(51, 59, 34, 59, 1, 0)_{252685} \\
\ell_{3355} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{10922433} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{10922433} = \mathbf{Pl}(51, 59, 25, 59, 1, 0)_{252118} \\
\ell_{3356} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{1066113} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{1066113} = \mathbf{Pl}(51, 59, 38, 59, 1, 0)_{252937} \\
\ell_{3357} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{16514689} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{16514689} = \mathbf{Pl}(51, 59, 29, 59, 1, 0)_{252370} \\
\ell_{3358} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{3464065} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{3464065} = \mathbf{Pl}(51, 59, 49, 59, 1, 0)_{253630} \\
\ell_{3359} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{2399745} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{2399745} = \mathbf{Pl}(51, 59, 10, 59, 1, 0)_{251173} \\
\ell_{3360} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{5060545} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{5060545} = \mathbf{Pl}(51, 59, 8, 59, 1, 0)_{251047} \\
\ell_{3361} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{15982017} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{15982017} = \mathbf{Pl}(51, 59, 51, 59, 1, 0)_{253756} \\
\ell_{3362} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{15448833} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{15448833} = \mathbf{Pl}(51, 59, 31, 59, 1, 0)_{252496} \\
\ell_{3363} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{13318145} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{13318145} = \mathbf{Pl}(51, 59, 36, 59, 1, 0)_{252811} \\
\ell_{3364} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{802241} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{802241} = \mathbf{Pl}(51, 59, 54, 59, 1, 0)_{253945} \\
\ell_{3365} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{13050561} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{13050561} = \mathbf{Pl}(51, 59, 13, 59, 1, 0)_{251362} \\
\ell_{3366} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{5861825} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{5861825} = \mathbf{Pl}(51, 59, 33, 59, 1, 0)_{252622} \\
\ell_{3367} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{10652993} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{10652993} = \mathbf{Pl}(51, 59, 26, 59, 1, 0)_{252181} \\
\ell_{3368} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{12250241} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{12250241} = \mathbf{Pl}(51, 59, 24, 59, 1, 0)_{252055} \\
\ell_{3369} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{2931905} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{2931905} = \mathbf{Pl}(51, 59, 35, 59, 1, 0)_{252748}
\end{aligned}$$

$$\begin{aligned}
\ell_{3370} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{3729601} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{3729601} = \mathbf{Pl}(51, 59, 15, 59, 1, 0)_{251488} \\
\ell_{3371} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{5329537} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{5329537} = \mathbf{Pl}(51, 59, 52, 59, 1, 0)_{253819} \\
\ell_{3372} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{9323009} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{9323009} = \mathbf{Pl}(51, 59, 11, 59, 1, 0)_{251236} \\
\ell_{3373} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{6125121} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{6125121} = \mathbf{Pl}(51, 59, 48, 59, 1, 0)_{253567} \\
\ell_{3374} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{14647937} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{14647937} = \mathbf{Pl}(51, 59, 28, 59, 1, 0)_{252307} \\
\ell_{3375} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{14115393} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{14115393} = \mathbf{Pl}(51, 59, 39, 59, 1, 0)_{253000} \\
\ell_{3376} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{4527873} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{4527873} = \mathbf{Pl}(51, 59, 37, 59, 1, 0)_{252874} \\
\ell_{3377} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{1867841} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{1867841} = \mathbf{Pl}(51, 59, 30, 59, 1, 0)_{252433} \\
\ell_{3378} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{9588929} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{9588929} = \mathbf{Pl}(51, 59, 50, 59, 1, 0)_{253693} \\
\ell_{3379} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{2664769} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{2664769} = \mathbf{Pl}(51, 59, 9, 59, 1, 0)_{251110} \\
\ell_{3380} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{533057} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{533057} = \mathbf{Pl}(51, 59, 45, 59, 1, 0)_{253378} \\
\ell_{3381} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{8790209} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{8790209} = \mathbf{Pl}(51, 59, 22, 59, 1, 0)_{251929} \\
\ell_{3382} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{15712001} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{15712001} = \mathbf{Pl}(51, 59, 1, 59, 1, 0)_{250606} \\
\ell_{3383} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{14382465} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{14382465} = \mathbf{Pl}(51, 59, 3, 59, 1, 0)_{250732} \\
\ell_{3384} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{11454721} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{11454721} = \mathbf{Pl}(51, 59, 56, 59, 1, 0)_{254071} \\
\ell_{3385} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{13850305} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{13850305} = \mathbf{Pl}(51, 59, 20, 59, 1, 0)_{251803} \\
\ell_{3386} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{11185409} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{11185409} = \mathbf{Pl}(51, 59, 47, 59, 1, 0)_{253504} \\
\ell_{3387} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{15179713} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{15179713} = \mathbf{Pl}(51, 59, 16, 59, 1, 0)_{251551} \\
\ell_{3388} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{14916417} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{14916417} = \mathbf{Pl}(51, 59, 43, 59, 1, 0)_{253252} \\
\ell_{3389} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{7992001} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{7992001} = \mathbf{Pl}(51, 59, 7, 59, 1, 0)_{250984} \\
\ell_{3390} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{13583361} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{13583361} = \mathbf{Pl}(51, 59, 60, 59, 1, 0)_{254323}
\end{aligned}$$

$$\begin{aligned}
\ell_{3391} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{7724417} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{7724417} = \mathbf{Pl}(51, 59, 62, 59, 1, 0)_{254449} \\
\ell_{3392} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{4797505} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{4797505} = \mathbf{Pl}(51, 59, 5, 59, 1, 0)_{250858} \\
\ell_{3393} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{6659073} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{6659073} = \mathbf{Pl}(51, 59, 41, 59, 1, 0)_{253126} \\
\ell_{3394} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{1335425} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{1335425} = \mathbf{Pl}(51, 59, 18, 59, 1, 0)_{251677} \\
\ell_{3395} &= \begin{bmatrix} 1 & \epsilon^{30} & \epsilon^{30} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{14609270} = \begin{bmatrix} 1 & 54 & 54 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{14609270} = \mathbf{Pl}(0, 54, 0, 54, 1, 0)_{19201} \\
\ell_{3396} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{11453761} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{11453761} = \mathbf{Pl}(52, 54, 55, 54, 1, 0)_{234164} \\
\ell_{3397} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{269633} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{269633} = \mathbf{Pl}(52, 54, 54, 54, 1, 0)_{234101} \\
\ell_{3398} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{12784257} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{12784257} = \mathbf{Pl}(52, 54, 13, 54, 1, 0)_{231518} \\
\ell_{3399} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{8524993} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{8524993} = \mathbf{Pl}(52, 54, 59, 54, 1, 0)_{234416} \\
\ell_{3400} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{6392129} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{6392129} = \mathbf{Pl}(52, 54, 26, 54, 1, 0)_{232337} \\
\ell_{3401} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{16778241} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{16778241} = \mathbf{Pl}(52, 54, 44, 54, 1, 0)_{233471} \\
\ell_{3402} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{4263489} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{4263489} = \mathbf{Pl}(52, 54, 23, 54, 1, 0)_{232148} \\
\ell_{3403} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{11986817} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{11986817} = \mathbf{Pl}(52, 54, 33, 54, 1, 0)_{232778} \\
\ell_{3404} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{3199105} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{3199105} = \mathbf{Pl}(52, 54, 52, 54, 1, 0)_{233975} \\
\ell_{3405} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{7193281} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{7193281} = \mathbf{Pl}(52, 54, 2, 54, 1, 0)_{230825} \\
\ell_{3406} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{12519873} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{12519873} = \mathbf{Pl}(52, 54, 57, 54, 1, 0)_{234290} \\
\ell_{3407} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{9854593} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{9854593} = \mathbf{Pl}(52, 54, 15, 54, 1, 0)_{231644} \\
\ell_{3408} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{2132737} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{2132737} = \mathbf{Pl}(52, 54, 46, 54, 1, 0)_{233597} \\
\ell_{3409} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{6924161} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{6924161} = \mathbf{Pl}(52, 54, 24, 54, 1, 0)_{232211} \\
\ell_{3410} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{10122113} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{10122113} = \mathbf{Pl}(52, 54, 35, 54, 1, 0)_{232904} \\
\ell_{3411} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{5593345} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{5593345} = \mathbf{Pl}(52, 54, 21, 54, 1, 0)_{232022}
\end{aligned}$$

$$\begin{aligned}
\ell_{3412} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{1599553} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{1599553} = \mathbf{Pl}(52, 54, 9, 54, 1, 0)_{231266} \\
\ell_{3413} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{11717697} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{11717697} = \mathbf{Pl}(52, 54, 63, 54, 1, 0)_{234668} \\
\ell_{3414} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{16246081} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{16246081} = \mathbf{Pl}(52, 54, 4, 54, 1, 0)_{230951} \\
\ell_{3415} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{7458497} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{7458497} = \mathbf{Pl}(52, 54, 50, 54, 1, 0)_{233849} \\
\ell_{3416} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{10387649} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{10387649} = \mathbf{Pl}(52, 54, 19, 54, 1, 0)_{231896} \\
\ell_{3417} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{3995265} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{3995265} = \mathbf{Pl}(52, 54, 37, 54, 1, 0)_{233030} \\
\ell_{3418} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{9058049} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{9058049} = \mathbf{Pl}(52, 54, 30, 54, 1, 0)_{232589} \\
\ell_{3419} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{10920705} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{10920705} = \mathbf{Pl}(52, 54, 40, 54, 1, 0)_{233219} \\
\ell_{3420} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{1066369} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{1066369} = \mathbf{Pl}(52, 54, 61, 54, 1, 0)_{234542} \\
\ell_{3421} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{16513217} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{16513217} = \mathbf{Pl}(52, 54, 11, 54, 1, 0)_{231392} \\
\ell_{3422} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{3462081} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{3462081} = \mathbf{Pl}(52, 54, 48, 54, 1, 0)_{233723} \\
\ell_{3423} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{2397761} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{2397761} = \mathbf{Pl}(52, 54, 6, 54, 1, 0)_{231077} \\
\ell_{3424} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{5061057} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{5061057} = \mathbf{Pl}(52, 54, 39, 54, 1, 0)_{233156} \\
\ell_{3425} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{15981057} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{15981057} = \mathbf{Pl}(52, 54, 17, 54, 1, 0)_{231770} \\
\ell_{3426} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{15449153} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{15449153} = \mathbf{Pl}(52, 54, 42, 54, 1, 0)_{233345} \\
\ell_{3427} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{13316417} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{13316417} = \mathbf{Pl}(52, 54, 28, 54, 1, 0)_{232463} \\
\ell_{3428} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{802817} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{802817} = \mathbf{Pl}(52, 54, 18, 54, 1, 0)_{231833} \\
\ell_{3429} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{13051841} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{13051841} = \mathbf{Pl}(52, 54, 36, 54, 1, 0)_{232967} \\
\ell_{3430} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{5861889} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{5861889} = \mathbf{Pl}(52, 54, 31, 54, 1, 0)_{232652} \\
\ell_{3431} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{10653633} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{10653633} = \mathbf{Pl}(52, 54, 41, 54, 1, 0)_{233282} \\
\ell_{3432} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{12250753} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{12250753} = \mathbf{Pl}(52, 54, 8, 54, 1, 0)_{231203}
\end{aligned}$$

$$\begin{aligned}
\ell_{3433} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{2930945} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{2930945} = \mathbf{Pl}(52, 54, 62, 54, 1, 0)_{234605} \\
\ell_{3434} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{3732289} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{3732289} = \mathbf{Pl}(52, 54, 5, 54, 1, 0)_{231014} \\
\ell_{3435} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{5329857} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{5329857} = \mathbf{Pl}(52, 54, 51, 54, 1, 0)_{233912} \\
\ell_{3436} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{9321537} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{9321537} = \mathbf{Pl}(52, 54, 38, 54, 1, 0)_{233093} \\
\ell_{3437} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{6125377} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{6125377} = \mathbf{Pl}(52, 54, 16, 54, 1, 0)_{231707} \\
\ell_{3438} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{14650113} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{14650113} = \mathbf{Pl}(52, 54, 43, 54, 1, 0)_{233408} \\
\ell_{3439} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{14117953} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{14117953} = \mathbf{Pl}(52, 54, 29, 54, 1, 0)_{232526} \\
\ell_{3440} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{4529025} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{4529025} = \mathbf{Pl}(52, 54, 60, 54, 1, 0)_{234479} \\
\ell_{3441} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{1867137} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{1867137} = \mathbf{Pl}(52, 54, 10, 54, 1, 0)_{231329} \\
\ell_{3442} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{9589057} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{9589057} = \mathbf{Pl}(52, 54, 49, 54, 1, 0)_{233786} \\
\ell_{3443} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{2665921} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{2665921} = \mathbf{Pl}(52, 54, 7, 54, 1, 0)_{231140} \\
\ell_{3444} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{533185} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{533185} = \mathbf{Pl}(52, 54, 27, 54, 1, 0)_{232400} \\
\ell_{3445} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{8788481} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{8788481} = \mathbf{Pl}(52, 54, 45, 54, 1, 0)_{233534} \\
\ell_{3446} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{8257601} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{8257601} = \mathbf{Pl}(52, 54, 22, 54, 1, 0)_{232085} \\
\ell_{3447} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{15712129} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{15712129} = \mathbf{Pl}(52, 54, 32, 54, 1, 0)_{232715} \\
\ell_{3448} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{14380481} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{14380481} = \mathbf{Pl}(52, 54, 1, 54, 1, 0)_{230762} \\
\ell_{3449} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{13848321} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{13848321} = \mathbf{Pl}(52, 54, 12, 54, 1, 0)_{231455} \\
\ell_{3450} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{11186689} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{11186689} = \mathbf{Pl}(52, 54, 58, 54, 1, 0)_{234353} \\
\ell_{3451} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{15179969} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{15179969} = \mathbf{Pl}(52, 54, 47, 54, 1, 0)_{233660} \\
\ell_{3452} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{14916993} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{14916993} = \mathbf{Pl}(52, 54, 25, 54, 1, 0)_{232274} \\
\ell_{3453} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{7990529} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{7990529} = \mathbf{Pl}(52, 54, 34, 54, 1, 0)_{232841}
\end{aligned}$$

$$\begin{aligned}
\ell_{3454} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{13584001} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{13584001} = \mathbf{Pl}(52, 54, 20, 54, 1, 0)_{231959} \\
\ell_{3455} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{7725569} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{7725569} = \mathbf{Pl}(52, 54, 53, 54, 1, 0)_{234038} \\
\ell_{3456} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{4795521} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{4795521} = \mathbf{Pl}(52, 54, 3, 54, 1, 0)_{230888} \\
\ell_{3457} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{6661249} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{6661249} = \mathbf{Pl}(52, 54, 56, 54, 1, 0)_{234227} \\
\ell_{3458} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{1333953} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{1333953} = \mathbf{Pl}(52, 54, 14, 54, 1, 0)_{231581} \\
\ell_{3459} &= \begin{bmatrix} 1 & \epsilon^{46} & \epsilon^{46} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{11634155} = \begin{bmatrix} 1 & 43 & 43 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{11634155} = \mathbf{Pl}(0, 43, 0, 43, 1, 0)_{17793} \\
\ell_{3460} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{14383937} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{14383937} = \mathbf{Pl}(53, 43, 42, 43, 1, 0)_{189687} \\
\ell_{3461} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{269697} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{269697} = \mathbf{Pl}(53, 43, 43, 43, 1, 0)_{189750} \\
\ell_{3462} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{12785281} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{12785281} = \mathbf{Pl}(53, 43, 55, 43, 1, 0)_{190506} \\
\ell_{3463} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{8522945} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{8522945} = \mathbf{Pl}(53, 43, 28, 43, 1, 0)_{188805} \\
\ell_{3464} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{6392641} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{6392641} = \mathbf{Pl}(53, 43, 15, 43, 1, 0)_{187986} \\
\ell_{3465} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{16780097} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{16780097} = \mathbf{Pl}(53, 43, 36, 43, 1, 0)_{189309} \\
\ell_{3466} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{4264513} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{4264513} = \mathbf{Pl}(53, 43, 56, 43, 1, 0)_{190569} \\
\ell_{3467} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{11985473} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{11985473} = \mathbf{Pl}(53, 43, 19, 43, 1, 0)_{188238} \\
\ell_{3468} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{3199361} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{3199361} = \mathbf{Pl}(53, 43, 30, 43, 1, 0)_{188931} \\
\ell_{3469} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{7192961} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{7192961} = \mathbf{Pl}(53, 43, 53, 43, 1, 0)_{190380} \\
\ell_{3470} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{12517761} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{12517761} = \mathbf{Pl}(53, 43, 41, 43, 1, 0)_{189624} \\
\ell_{3471} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{9856321} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{9856321} = \mathbf{Pl}(53, 43, 2, 43, 1, 0)_{187167} \\
\ell_{3472} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{2133249} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{2133249} = \mathbf{Pl}(53, 43, 17, 43, 1, 0)_{188112} \\
\ell_{3473} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{6925825} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{6925825} = \mathbf{Pl}(53, 43, 58, 43, 1, 0)_{190695} \\
\ell_{3474} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{10120449} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{10120449} = \mathbf{Pl}(53, 43, 38, 43, 1, 0)_{189435}
\end{aligned}$$

$$\begin{aligned}
\ell_{3475} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{5594049} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{5594049} = \mathbf{Pl}(53, 43, 13, 43, 1, 0)_{187860} \\
\ell_{3476} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{1599681} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{1599681} = \mathbf{Pl}(53, 43, 60, 43, 1, 0)_{190821} \\
\ell_{3477} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{11720001} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{11720001} = \mathbf{Pl}(53, 43, 23, 43, 1, 0)_{188490} \\
\ell_{3478} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{16246913} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{16246913} = \mathbf{Pl}(53, 43, 11, 43, 1, 0)_{187734} \\
\ell_{3479} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{7456705} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{7456705} = \mathbf{Pl}(53, 43, 32, 43, 1, 0)_{189057} \\
\ell_{3480} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{10389633} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{10389633} = \mathbf{Pl}(53, 43, 51, 43, 1, 0)_{190254} \\
\ell_{3481} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{3994817} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{3994817} = \mathbf{Pl}(53, 43, 24, 43, 1, 0)_{188553} \\
\ell_{3482} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{9055873} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{9055873} = \mathbf{Pl}(53, 43, 4, 43, 1, 0)_{187293} \\
\ell_{3483} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{10919105} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{10919105} = \mathbf{Pl}(53, 43, 47, 43, 1, 0)_{190002} \\
\ell_{3484} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{1066625} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{1066625} = \mathbf{Pl}(53, 43, 34, 43, 1, 0)_{189183} \\
\ell_{3485} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{16512577} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{16512577} = \mathbf{Pl}(53, 43, 9, 43, 1, 0)_{187608} \\
\ell_{3486} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{3462913} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{3462913} = \mathbf{Pl}(53, 43, 21, 43, 1, 0)_{188364} \\
\ell_{3487} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{2398337} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{2398337} = \mathbf{Pl}(53, 43, 62, 43, 1, 0)_{190947} \\
\ell_{3488} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{5060225} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{5060225} = \mathbf{Pl}(53, 43, 45, 43, 1, 0)_{189876} \\
\ell_{3489} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{15979265} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{15979265} = \mathbf{Pl}(53, 43, 6, 43, 1, 0)_{187419} \\
\ell_{3490} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{15446465} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{15446465} = \mathbf{Pl}(53, 43, 26, 43, 1, 0)_{188679} \\
\ell_{3491} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{13317313} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{13317313} = \mathbf{Pl}(53, 43, 49, 43, 1, 0)_{190128} \\
\ell_{3492} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{802881} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{802881} = \mathbf{Pl}(53, 43, 25, 43, 1, 0)_{188616} \\
\ell_{3493} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{13050881} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{13050881} = \mathbf{Pl}(53, 43, 50, 43, 1, 0)_{190191} \\
\ell_{3494} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{5860993} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{5860993} = \mathbf{Pl}(53, 43, 46, 43, 1, 0)_{189939} \\
\ell_{3495} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{10656193} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{10656193} = \mathbf{Pl}(53, 43, 5, 43, 1, 0)_{187356}
\end{aligned}$$

$$\begin{aligned}
\ell_{3496} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{12252161} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{12252161} = \mathbf{Pl}(53, 43, 22, 43, 1, 0)_{188427} \\
\ell_{3497} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{2930497} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{2930497} = \mathbf{Pl}(53, 43, 61, 43, 1, 0)_{190884} \\
\ell_{3498} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{3731393} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{3731393} = \mathbf{Pl}(53, 43, 33, 43, 1, 0)_{189120} \\
\ell_{3499} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{5329089} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{5329089} = \mathbf{Pl}(53, 43, 10, 43, 1, 0)_{187671} \\
\ell_{3500} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{9323521} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{9323521} = \mathbf{Pl}(53, 43, 7, 43, 1, 0)_{187482} \\
\ell_{3501} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{6126081} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{6126081} = \mathbf{Pl}(53, 43, 44, 43, 1, 0)_{189813} \\
\ell_{3502} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{14646849} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{14646849} = \mathbf{Pl}(53, 43, 48, 43, 1, 0)_{190065} \\
\ell_{3503} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{14114689} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{14114689} = \mathbf{Pl}(53, 43, 27, 43, 1, 0)_{188742} \\
\ell_{3504} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{4527937} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{4527937} = \mathbf{Pl}(53, 43, 8, 43, 1, 0)_{187545} \\
\ell_{3505} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{1866689} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{1866689} = \mathbf{Pl}(53, 43, 35, 43, 1, 0)_{189246} \\
\ell_{3506} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{9587265} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{9587265} = \mathbf{Pl}(53, 43, 63, 43, 1, 0)_{191010} \\
\ell_{3507} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{2665537} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{2665537} = \mathbf{Pl}(53, 43, 20, 43, 1, 0)_{188301} \\
\ell_{3508} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{533313} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{533313} = \mathbf{Pl}(53, 43, 37, 43, 1, 0)_{189372} \\
\ell_{3509} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{8790465} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{8790465} = \mathbf{Pl}(53, 43, 14, 43, 1, 0)_{187923} \\
\ell_{3510} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{8259329} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{8259329} = \mathbf{Pl}(53, 43, 18, 43, 1, 0)_{188175} \\
\ell_{3511} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{15715521} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{15715521} = \mathbf{Pl}(53, 43, 57, 43, 1, 0)_{190632} \\
\ell_{3512} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{11451137} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{11451137} = \mathbf{Pl}(53, 43, 1, 43, 1, 0)_{187104} \\
\ell_{3513} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{13851649} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{13851649} = \mathbf{Pl}(53, 43, 29, 43, 1, 0)_{188868} \\
\ell_{3514} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{11188097} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{11188097} = \mathbf{Pl}(53, 43, 54, 43, 1, 0)_{190443} \\
\ell_{3515} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{15182593} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{15182593} = \mathbf{Pl}(53, 43, 59, 43, 1, 0)_{190758} \\
\ell_{3516} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{14913409} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{14913409} = \mathbf{Pl}(53, 43, 16, 43, 1, 0)_{188049}
\end{aligned}$$

$$\begin{aligned}
\ell_{3517} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{7989633} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{7989633} = \mathbf{Pl}(53, 43, 12, 43, 1, 0)_{187797} \\
\ell_{3518} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{13582785} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{13582785} = \mathbf{Pl}(53, 43, 39, 43, 1, 0)_{189498} \\
\ell_{3519} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{7726273} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{7726273} = \mathbf{Pl}(53, 43, 52, 43, 1, 0)_{190317} \\
\ell_{3520} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{4796673} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{4796673} = \mathbf{Pl}(53, 43, 31, 43, 1, 0)_{188994} \\
\ell_{3521} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{6659649} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{6659649} = \mathbf{Pl}(53, 43, 3, 43, 1, 0)_{187230} \\
\ell_{3522} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{1333761} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{1333761} = \mathbf{Pl}(53, 43, 40, 43, 1, 0)_{189561} \\
\ell_{3523} &= \begin{bmatrix} 1 & \epsilon^{33} & \epsilon^{33} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{14068340} = \begin{bmatrix} 1 & 52 & 52 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{14068340} = \mathbf{Pl}(0, 52, 0, 52, 1, 0)_{18945} \\
\ell_{3524} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{11187521} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{11187521} = \mathbf{Pl}(54, 52, 53, 52, 1, 0)_{226102} \\
\ell_{3525} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{269761} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{269761} = \mathbf{Pl}(54, 52, 52, 52, 1, 0)_{226039} \\
\ell_{3526} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{12784321} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{12784321} = \mathbf{Pl}(54, 52, 9, 52, 1, 0)_{223330} \\
\ell_{3527} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{8522881} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{8522881} = \mathbf{Pl}(54, 52, 61, 52, 1, 0)_{226606} \\
\ell_{3528} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{6395201} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{6395201} = \mathbf{Pl}(54, 52, 18, 52, 1, 0)_{223897} \\
\ell_{3529} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{16778049} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{16778049} = \mathbf{Pl}(54, 52, 38, 52, 1, 0)_{225157} \\
\ell_{3530} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{4261441} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{4261441} = \mathbf{Pl}(54, 52, 27, 52, 1, 0)_{224464} \\
\ell_{3531} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{11984321} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{11984321} = \mathbf{Pl}(54, 52, 47, 52, 1, 0)_{225724} \\
\ell_{3532} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{3198593} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{3198593} = \mathbf{Pl}(54, 52, 36, 52, 1, 0)_{225031} \\
\ell_{3533} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{7190593} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{7190593} = \mathbf{Pl}(54, 52, 16, 52, 1, 0)_{223771} \\
\ell_{3534} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{12516737} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{12516737} = \mathbf{Pl}(54, 52, 45, 52, 1, 0)_{225598} \\
\ell_{3535} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{9857217} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{9857217} = \mathbf{Pl}(54, 52, 25, 52, 1, 0)_{224338} \\
\ell_{3536} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{2133761} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{2133761} = \mathbf{Pl}(54, 52, 54, 52, 1, 0)_{226165} \\
\ell_{3537} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{6926977} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{6926977} = \mathbf{Pl}(54, 52, 2, 52, 1, 0)_{222889}
\end{aligned}$$

$$\begin{aligned}
\ell_{3538} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{10119873} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{10119873} = \mathbf{Pl}(54, 52, 63, 52, 1, 0)_{226732} \\
\ell_{3539} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{5594753} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{5594753} = \mathbf{Pl}(54, 52, 11, 52, 1, 0)_{223456} \\
\ell_{3540} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{1599297} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{1599297} = \mathbf{Pl}(54, 52, 41, 52, 1, 0)_{225346} \\
\ell_{3541} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{11721217} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{11721217} = \mathbf{Pl}(54, 52, 29, 52, 1, 0)_{224590} \\
\ell_{3542} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{16244737} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{16244737} = \mathbf{Pl}(54, 52, 32, 52, 1, 0)_{224779} \\
\ell_{3543} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{7459009} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{7459009} = \mathbf{Pl}(54, 52, 20, 52, 1, 0)_{224023} \\
\ell_{3544} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{10389121} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{10389121} = \mathbf{Pl}(54, 52, 59, 52, 1, 0)_{226480} \\
\ell_{3545} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{3995905} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{3995905} = \mathbf{Pl}(54, 52, 15, 52, 1, 0)_{223708} \\
\ell_{3546} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{9056321} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{9056321} = \mathbf{Pl}(54, 52, 50, 52, 1, 0)_{225913} \\
\ell_{3547} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{10919489} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{10919489} = \mathbf{Pl}(54, 52, 6, 52, 1, 0)_{223141} \\
\ell_{3548} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{1066881} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{1066881} = \mathbf{Pl}(54, 52, 13, 52, 1, 0)_{223582} \\
\ell_{3549} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{16514433} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{16514433} = \mathbf{Pl}(54, 52, 57, 52, 1, 0)_{226354} \\
\ell_{3550} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{3463489} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{3463489} = \mathbf{Pl}(54, 52, 4, 52, 1, 0)_{223015} \\
\ell_{3551} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{2396865} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{2396865} = \mathbf{Pl}(54, 52, 48, 52, 1, 0)_{225787} \\
\ell_{3552} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{5062977} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{5062977} = \mathbf{Pl}(54, 52, 31, 52, 1, 0)_{224716} \\
\ell_{3553} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{15981633} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{15981633} = \mathbf{Pl}(54, 52, 43, 52, 1, 0)_{225472} \\
\ell_{3554} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{15447809} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{15447809} = \mathbf{Pl}(54, 52, 22, 52, 1, 0)_{224149} \\
\ell_{3555} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{13316609} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{13316609} = \mathbf{Pl}(54, 52, 34, 52, 1, 0)_{224905} \\
\ell_{3556} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{802689} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{802689} = \mathbf{Pl}(54, 52, 51, 52, 1, 0)_{225976} \\
\ell_{3557} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{13051777} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{13051777} = \mathbf{Pl}(54, 52, 7, 52, 1, 0)_{223204} \\
\ell_{3558} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{5860609} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{5860609} = \mathbf{Pl}(54, 52, 58, 52, 1, 0)_{226417}
\end{aligned}$$

$$\begin{aligned}
\ell_{3559} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{10654593} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{10654593} = \mathbf{Pl}(54, 52, 14, 52, 1, 0)_{223645} \\
\ell_{3560} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{12253121} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{12253121} = \mathbf{Pl}(54, 52, 33, 52, 1, 0)_{224842} \\
\ell_{3561} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{2930305} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{2930305} = \mathbf{Pl}(54, 52, 21, 52, 1, 0)_{224086} \\
\ell_{3562} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{3730497} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{3730497} = \mathbf{Pl}(54, 52, 40, 52, 1, 0)_{225283} \\
\ell_{3563} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{5327297} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{5327297} = \mathbf{Pl}(54, 52, 28, 52, 1, 0)_{224527} \\
\ell_{3564} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{9323265} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{9323265} = \mathbf{Pl}(54, 52, 23, 52, 1, 0)_{224212} \\
\ell_{3565} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{6127553} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{6127553} = \mathbf{Pl}(54, 52, 35, 52, 1, 0)_{224968} \\
\ell_{3566} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{14650433} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{14650433} = \mathbf{Pl}(54, 52, 30, 52, 1, 0)_{224653} \\
\ell_{3567} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{14117633} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{14117633} = \mathbf{Pl}(54, 52, 42, 52, 1, 0)_{225409} \\
\ell_{3568} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{4531201} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{4531201} = \mathbf{Pl}(54, 52, 5, 52, 1, 0)_{223078} \\
\ell_{3569} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{1866241} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{1866241} = \mathbf{Pl}(54, 52, 49, 52, 1, 0)_{225850} \\
\ell_{3570} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{9587457} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{9587457} = \mathbf{Pl}(54, 52, 12, 52, 1, 0)_{223519} \\
\ell_{3571} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{2666689} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{2666689} = \mathbf{Pl}(54, 52, 56, 52, 1, 0)_{226291} \\
\ell_{3572} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{533441} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{533441} = \mathbf{Pl}(54, 52, 26, 52, 1, 0)_{224401} \\
\ell_{3573} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{8790337} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{8790337} = \mathbf{Pl}(54, 52, 46, 52, 1, 0)_{225661} \\
\ell_{3574} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{8257217} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{8257217} = \mathbf{Pl}(54, 52, 19, 52, 1, 0)_{223960} \\
\ell_{3575} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{15713217} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{15713217} = \mathbf{Pl}(54, 52, 39, 52, 1, 0)_{225220} \\
\ell_{3576} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{14381185} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{14381185} = \mathbf{Pl}(54, 52, 8, 52, 1, 0)_{223267} \\
\ell_{3577} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{11452929} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{11452929} = \mathbf{Pl}(54, 52, 60, 52, 1, 0)_{226543} \\
\ell_{3578} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{13847873} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{13847873} = \mathbf{Pl}(54, 52, 1, 52, 1, 0)_{222826} \\
\ell_{3579} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{15180929} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{15180929} = \mathbf{Pl}(54, 52, 62, 52, 1, 0)_{226669}
\end{aligned}$$

$$\begin{aligned}
\ell_{3580} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{14916033} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{14916033} = \mathbf{Pl}(54, 52, 10, 52, 1, 0)_{223393} \\
\ell_{3581} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{7991809} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{7991809} = \mathbf{Pl}(54, 52, 55, 52, 1, 0)_{226228} \\
\ell_{3582} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{13583553} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{13583553} = \mathbf{Pl}(54, 52, 3, 52, 1, 0)_{222952} \\
\ell_{3583} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{7723905} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{7723905} = \mathbf{Pl}(54, 52, 44, 52, 1, 0)_{225535} \\
\ell_{3584} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{4793729} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{4793729} = \mathbf{Pl}(54, 52, 24, 52, 1, 0)_{224275} \\
\ell_{3585} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{6658305} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{6658305} = \mathbf{Pl}(54, 52, 37, 52, 1, 0)_{225094} \\
\ell_{3586} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{1334337} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{1334337} = \mathbf{Pl}(54, 52, 17, 52, 1, 0)_{223834} \\
\ell_{3587} &= \begin{bmatrix} 1 & \epsilon^{16} & \epsilon^{16} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{11363690} = \begin{bmatrix} 1 & 42 & 42 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{11363690} = \mathbf{Pl}(0, 42, 0, 42, 1, 0)_{17665} \\
\ell_{3588} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{13851201} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{13851201} = \mathbf{Pl}(55, 42, 43, 42, 1, 0)_{185783} \\
\ell_{3589} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{269825} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{269825} = \mathbf{Pl}(55, 42, 42, 42, 1, 0)_{185720} \\
\ell_{3590} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{12785345} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{12785345} = \mathbf{Pl}(55, 42, 53, 42, 1, 0)_{186413} \\
\ell_{3591} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{8524929} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{8524929} = \mathbf{Pl}(55, 42, 31, 42, 1, 0)_{185027} \\
\ell_{3592} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{6393665} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{6393665} = \mathbf{Pl}(55, 42, 11, 42, 1, 0)_{183767} \\
\ell_{3593} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{16780289} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{16780289} = \mathbf{Pl}(55, 42, 33, 42, 1, 0)_{185153} \\
\ell_{3594} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{4262465} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{4262465} = \mathbf{Pl}(55, 42, 62, 42, 1, 0)_{186980} \\
\ell_{3595} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{11986177} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{11986177} = \mathbf{Pl}(55, 42, 20, 42, 1, 0)_{184334} \\
\ell_{3596} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{3197825} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{3197825} = \mathbf{Pl}(55, 42, 22, 42, 1, 0)_{184460} \\
\ell_{3597} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{7192065} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{7192065} = \mathbf{Pl}(55, 42, 60, 42, 1, 0)_{186854} \\
\ell_{3598} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{12518849} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{12518849} = \mathbf{Pl}(55, 42, 35, 42, 1, 0)_{185279} \\
\ell_{3599} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{9854977} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{9854977} = \mathbf{Pl}(55, 42, 9, 42, 1, 0)_{183641} \\
\ell_{3600} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{2134273} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{2134273} = \mathbf{Pl}(55, 42, 29, 42, 1, 0)_{184901}
\end{aligned}$$

$$\begin{aligned}
\ell_{3601} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{6926593} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{6926593} = \mathbf{Pl}(55, 42, 55, 42, 1, 0)_{186539} \\
\ell_{3602} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{10121793} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{10121793} = \mathbf{Pl}(55, 42, 40, 42, 1, 0)_{185594} \\
\ell_{3603} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{5595457} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{5595457} = \mathbf{Pl}(55, 42, 2, 42, 1, 0)_{183200} \\
\ell_{3604} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{1598913} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{1598913} = \mathbf{Pl}(55, 42, 44, 42, 1, 0)_{185846} \\
\ell_{3605} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{11718401} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{11718401} = \mathbf{Pl}(55, 42, 6, 42, 1, 0)_{183452} \\
\ell_{3606} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{16248513} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{16248513} = \mathbf{Pl}(55, 42, 25, 42, 1, 0)_{184649} \\
\ell_{3607} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{7460289} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{7460289} = \mathbf{Pl}(55, 42, 51, 42, 1, 0)_{186287} \\
\ell_{3608} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{10387137} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{10387137} = \mathbf{Pl}(55, 42, 39, 42, 1, 0)_{185531} \\
\ell_{3609} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{3996225} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{3996225} = \mathbf{Pl}(55, 42, 13, 42, 1, 0)_{183893} \\
\ell_{3610} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{9058241} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{9058241} = \mathbf{Pl}(55, 42, 18, 42, 1, 0)_{184208} \\
\ell_{3611} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{10922113} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{10922113} = \mathbf{Pl}(55, 42, 56, 42, 1, 0)_{186602} \\
\ell_{3612} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{1067137} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{1067137} = \mathbf{Pl}(55, 42, 58, 42, 1, 0)_{186728} \\
\ell_{3613} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{16511233} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{16511233} = \mathbf{Pl}(55, 42, 16, 42, 1, 0)_{184082} \\
\ell_{3614} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{3463297} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{3463297} = \mathbf{Pl}(55, 42, 15, 42, 1, 0)_{184019} \\
\ell_{3615} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{2397441} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{2397441} = \mathbf{Pl}(55, 42, 37, 42, 1, 0)_{185405} \\
\ell_{3616} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{5061889} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{5061889} = \mathbf{Pl}(55, 42, 49, 42, 1, 0)_{186161} \\
\ell_{3617} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{15978817} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{15978817} = \mathbf{Pl}(55, 42, 27, 42, 1, 0)_{184775} \\
\ell_{3618} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{15447169} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{15447169} = \mathbf{Pl}(55, 42, 4, 42, 1, 0)_{183326} \\
\ell_{3619} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{13317505} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{13317505} = \mathbf{Pl}(55, 42, 46, 42, 1, 0)_{185972} \\
\ell_{3620} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{802497} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{802497} = \mathbf{Pl}(55, 42, 57, 42, 1, 0)_{186665} \\
\ell_{3621} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{13050689} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{13050689} = \mathbf{Pl}(55, 42, 19, 42, 1, 0)_{184271}
\end{aligned}$$

$$\begin{aligned}
\ell_{3622} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{5859201} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{5859201} = \mathbf{Pl}(55, 42, 12, 42, 1, 0)_{183830} \\
\ell_{3623} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{10653057} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{10653057} = \mathbf{Pl}(55, 42, 38, 42, 1, 0)_{185468} \\
\ell_{3624} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{12251969} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{12251969} = \mathbf{Pl}(55, 42, 50, 42, 1, 0)_{186224} \\
\ell_{3625} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{2929601} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{2929601} = \mathbf{Pl}(55, 42, 24, 42, 1, 0)_{184586} \\
\ell_{3626} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{3731137} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{3731137} = \mathbf{Pl}(55, 42, 7, 42, 1, 0)_{183515} \\
\ell_{3627} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{5326529} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{5326529} = \mathbf{Pl}(55, 42, 45, 42, 1, 0)_{185909} \\
\ell_{3628} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{9321281} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{9321281} = \mathbf{Pl}(55, 42, 47, 42, 1, 0)_{186035} \\
\ell_{3629} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{6129025} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{6129025} = \mathbf{Pl}(55, 42, 5, 42, 1, 0)_{183389} \\
\ell_{3630} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{14647553} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{14647553} = \mathbf{Pl}(55, 42, 26, 42, 1, 0)_{184712} \\
\ell_{3631} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{14114241} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{14114241} = \mathbf{Pl}(55, 42, 48, 42, 1, 0)_{186098} \\
\ell_{3632} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{4530113} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{4530113} = \mathbf{Pl}(55, 42, 36, 42, 1, 0)_{185342} \\
\ell_{3633} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{1866561} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{1866561} = \mathbf{Pl}(55, 42, 14, 42, 1, 0)_{183956} \\
\ell_{3634} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{9589761} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{9589761} = \mathbf{Pl}(55, 42, 17, 42, 1, 0)_{184145} \\
\ell_{3635} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{2666305} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{2666305} = \mathbf{Pl}(55, 42, 59, 42, 1, 0)_{186791} \\
\ell_{3636} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{533569} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{533569} = \mathbf{Pl}(55, 42, 21, 42, 1, 0)_{184397} \\
\ell_{3637} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{8788353} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{8788353} = \mathbf{Pl}(55, 42, 63, 42, 1, 0)_{187043} \\
\ell_{3638} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{8255617} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{8255617} = \mathbf{Pl}(55, 42, 32, 42, 1, 0)_{185090} \\
\ell_{3639} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{15714945} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{15714945} = \mathbf{Pl}(55, 42, 10, 42, 1, 0)_{183704} \\
\ell_{3640} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{14384129} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{14384129} = \mathbf{Pl}(55, 42, 30, 42, 1, 0)_{184964} \\
\ell_{3641} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{11454529} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{11454529} = \mathbf{Pl}(55, 42, 52, 42, 1, 0)_{186350} \\
\ell_{3642} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{11184833} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{11184833} = \mathbf{Pl}(55, 42, 1, 42, 1, 0)_{183137}
\end{aligned}$$

$$\begin{aligned}
\ell_{3643} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{15181377} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{15181377} = \mathbf{Pl}(55, 42, 3, 42, 1, 0)_{183263} \\
\ell_{3644} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{14914497} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{14914497} = \mathbf{Pl}(55, 42, 41, 42, 1, 0)_{185657} \\
\ell_{3645} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{7992449} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{7992449} = \mathbf{Pl}(55, 42, 54, 42, 1, 0)_{186476} \\
\ell_{3646} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{13582721} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{13582721} = \mathbf{Pl}(55, 42, 28, 42, 1, 0)_{184838} \\
\ell_{3647} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{7723585} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{7723585} = \mathbf{Pl}(55, 42, 8, 42, 1, 0)_{183578} \\
\ell_{3648} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{4794881} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{4794881} = \mathbf{Pl}(55, 42, 34, 42, 1, 0)_{185216} \\
\ell_{3649} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{6658753} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{6658753} = \mathbf{Pl}(55, 42, 61, 42, 1, 0)_{186917} \\
\ell_{3650} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{1334145} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{1334145} = \mathbf{Pl}(55, 42, 23, 42, 1, 0)_{184523} \\
\ell_{3651} &= \begin{bmatrix} 1 & \epsilon^{21} & \epsilon^{21} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15420665} = \begin{bmatrix} 1 & 57 & 57 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15420665} = \mathbf{Pl}(0, 57, 0, 57, 1, 0)_{19585} \\
\ell_{3652} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{14916673} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{14916673} = \mathbf{Pl}(56, 57, 56, 57, 1, 0)_{246138} \\
\ell_{3653} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{269889} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{269889} = \mathbf{Pl}(56, 57, 57, 57, 1, 0)_{246201} \\
\ell_{3654} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{12784385} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{12784385} = \mathbf{Pl}(56, 57, 19, 57, 1, 0)_{243807} \\
\ell_{3655} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{8525249} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{8525249} = \mathbf{Pl}(56, 57, 42, 57, 1, 0)_{245256} \\
\ell_{3656} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{6392193} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{6392193} = \mathbf{Pl}(56, 57, 38, 57, 1, 0)_{245004} \\
\ell_{3657} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{16780353} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{16780353} = \mathbf{Pl}(56, 57, 31, 57, 1, 0)_{244563} \\
\ell_{3658} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{4263617} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{4263617} = \mathbf{Pl}(56, 57, 53, 57, 1, 0)_{245949} \\
\ell_{3659} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{11984193} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{11984193} = \mathbf{Pl}(56, 57, 12, 57, 1, 0)_{243366} \\
\ell_{3660} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{3196097} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{3196097} = \mathbf{Pl}(56, 57, 45, 57, 1, 0)_{245445} \\
\ell_{3661} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{7192705} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{7192705} = \mathbf{Pl}(56, 57, 20, 57, 1, 0)_{243870} \\
\ell_{3662} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{12517889} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{12517889} = \mathbf{Pl}(56, 57, 62, 57, 1, 0)_{246516} \\
\ell_{3663} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{9856129} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{9856129} = \mathbf{Pl}(56, 57, 7, 57, 1, 0)_{243051}
\end{aligned}$$

$$\begin{aligned}
\ell_{3664} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{2132801} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{2132801} = \mathbf{Pl}(56, 57, 11, 57, 1, 0)_{243303} \\
\ell_{3665} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{6925889} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{6925889} = \mathbf{Pl}(56, 57, 50, 57, 1, 0)_{245760} \\
\ell_{3666} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{10119809} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{10119809} = \mathbf{Pl}(56, 57, 24, 57, 1, 0)_{244122} \\
\ell_{3667} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{5595521} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{5595521} = \mathbf{Pl}(56, 57, 33, 57, 1, 0)_{244689} \\
\ell_{3668} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{1601089} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{1601089} = \mathbf{Pl}(56, 57, 59, 57, 1, 0)_{246327} \\
\ell_{3669} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{11720449} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{11720449} = \mathbf{Pl}(56, 57, 2, 57, 1, 0)_{242736} \\
\ell_{3670} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{16246785} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{16246785} = \mathbf{Pl}(56, 57, 40, 57, 1, 0)_{245130} \\
\ell_{3671} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{7459329} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{7459329} = \mathbf{Pl}(56, 57, 17, 57, 1, 0)_{243681} \\
\ell_{3672} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{10389697} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{10389697} = \mathbf{Pl}(56, 57, 29, 57, 1, 0)_{244437} \\
\ell_{3673} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{3997505} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{3997505} = \mathbf{Pl}(56, 57, 36, 57, 1, 0)_{244878} \\
\ell_{3674} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{9056769} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{9056769} = \mathbf{Pl}(56, 57, 14, 57, 1, 0)_{243492} \\
\ell_{3675} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{10921153} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{10921153} = \mathbf{Pl}(56, 57, 55, 57, 1, 0)_{246075} \\
\ell_{3676} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{1067393} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{1067393} = \mathbf{Pl}(56, 57, 22, 57, 1, 0)_{243996} \\
\ell_{3677} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{16511489} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{16511489} = \mathbf{Pl}(56, 57, 47, 57, 1, 0)_{245571} \\
\ell_{3678} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{3465985} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{3465985} = \mathbf{Pl}(56, 57, 5, 57, 1, 0)_{242925} \\
\ell_{3679} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{2398593} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{2398593} = \mathbf{Pl}(56, 57, 60, 57, 1, 0)_{246390} \\
\ell_{3680} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{5059905} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{5059905} = \mathbf{Pl}(56, 57, 48, 57, 1, 0)_{245634} \\
\ell_{3681} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{15979969} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{15979969} = \mathbf{Pl}(56, 57, 9, 57, 1, 0)_{243177} \\
\ell_{3682} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{15448193} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{15448193} = \mathbf{Pl}(56, 57, 35, 57, 1, 0)_{244815} \\
\ell_{3683} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{13316033} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{13316033} = \mathbf{Pl}(56, 57, 26, 57, 1, 0)_{244248} \\
\ell_{3684} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{801537} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{801537} = \mathbf{Pl}(56, 57, 23, 57, 1, 0)_{244059}
\end{aligned}$$

$$\begin{aligned}
\ell_{3685} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{13051201} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{13051201} = \mathbf{Pl}(56, 57, 46, 57, 1, 0)_{245508} \\
\ell_{3686} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{5860225} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{5860225} = \mathbf{Pl}(56, 57, 4, 57, 1, 0)_{242862} \\
\ell_{3687} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{10653313} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{10653313} = \mathbf{Pl}(56, 57, 61, 57, 1, 0)_{246453} \\
\ell_{3688} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{12252097} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{12252097} = \mathbf{Pl}(56, 57, 49, 57, 1, 0)_{245697} \\
\ell_{3689} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{2930113} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{2930113} = \mathbf{Pl}(56, 57, 8, 57, 1, 0)_{243114} \\
\ell_{3690} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{3729665} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{3729665} = \mathbf{Pl}(56, 57, 34, 57, 1, 0)_{244752} \\
\ell_{3691} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{5326657} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{5326657} = \mathbf{Pl}(56, 57, 27, 57, 1, 0)_{244311} \\
\ell_{3692} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{9322561} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{9322561} = \mathbf{Pl}(56, 57, 58, 57, 1, 0)_{246264} \\
\ell_{3693} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{6127041} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{6127041} = \mathbf{Pl}(56, 57, 3, 57, 1, 0)_{242799} \\
\ell_{3694} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{14648193} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{14648193} = \mathbf{Pl}(56, 57, 41, 57, 1, 0)_{245193} \\
\ell_{3695} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{14114497} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{14114497} = \mathbf{Pl}(56, 57, 16, 57, 1, 0)_{243618} \\
\ell_{3696} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{4528385} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{4528385} = \mathbf{Pl}(56, 57, 28, 57, 1, 0)_{244374} \\
\ell_{3697} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{1864833} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{1864833} = \mathbf{Pl}(56, 57, 37, 57, 1, 0)_{244941} \\
\ell_{3698} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{9588289} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{9588289} = \mathbf{Pl}(56, 57, 15, 57, 1, 0)_{243555} \\
\ell_{3699} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{2666369} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{2666369} = \mathbf{Pl}(56, 57, 54, 57, 1, 0)_{246012} \\
\ell_{3700} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{533697} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{533697} = \mathbf{Pl}(56, 57, 44, 57, 1, 0)_{245382} \\
\ell_{3701} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{8788993} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{8788993} = \mathbf{Pl}(56, 57, 21, 57, 1, 0)_{243933} \\
\ell_{3702} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{8255745} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{8255745} = \mathbf{Pl}(56, 57, 63, 57, 1, 0)_{246579} \\
\ell_{3703} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{15712961} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{15712961} = \mathbf{Pl}(56, 57, 6, 57, 1, 0)_{242988} \\
\ell_{3704} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{14383425} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{14383425} = \mathbf{Pl}(56, 57, 10, 57, 1, 0)_{243240} \\
\ell_{3705} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{11454849} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{11454849} = \mathbf{Pl}(56, 57, 51, 57, 1, 0)_{245823}
\end{aligned}$$

$$\begin{aligned}
\ell_{3706} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{13851777} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{13851777} = \mathbf{Pl}(56, 57, 25, 57, 1, 0)_{244185} \\
\ell_{3707} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{11184961} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{11184961} = \mathbf{Pl}(56, 57, 32, 57, 1, 0)_{244626} \\
\ell_{3708} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{15179393} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{15179393} = \mathbf{Pl}(56, 57, 1, 57, 1, 0)_{242673} \\
\ell_{3709} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{7993025} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{7993025} = \mathbf{Pl}(56, 57, 18, 57, 1, 0)_{243744} \\
\ell_{3710} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{13584897} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{13584897} = \mathbf{Pl}(56, 57, 43, 57, 1, 0)_{245319} \\
\ell_{3711} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{7724097} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{7724097} = \mathbf{Pl}(56, 57, 39, 57, 1, 0)_{245067} \\
\ell_{3712} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{4797185} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{4797185} = \mathbf{Pl}(56, 57, 30, 57, 1, 0)_{244500} \\
\ell_{3713} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{6661057} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{6661057} = \mathbf{Pl}(56, 57, 52, 57, 1, 0)_{245886} \\
\ell_{3714} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{1333185} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{1333185} = \mathbf{Pl}(56, 57, 13, 57, 1, 0)_{243429} \\
\ell_{3715} &= \begin{bmatrix} 1 & \epsilon^{42} & \epsilon^{42} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15150200} = \begin{bmatrix} 1 & 56 & 56 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15150200} = \mathbf{Pl}(0, 56, 0, 56, 1, 0)_{19457} \\
\ell_{3716} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{15182913} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{15182913} = \mathbf{Pl}(57, 56, 57, 56, 1, 0)_{242233} \\
\ell_{3717} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{269953} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{269953} = \mathbf{Pl}(57, 56, 56, 56, 1, 0)_{242170} \\
\ell_{3718} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{12785409} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{12785409} = \mathbf{Pl}(57, 56, 17, 56, 1, 0)_{239713} \\
\ell_{3719} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{8523201} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{8523201} = \mathbf{Pl}(57, 56, 41, 56, 1, 0)_{241225} \\
\ell_{3720} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{6392705} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{6392705} = \mathbf{Pl}(57, 56, 34, 56, 1, 0)_{240784} \\
\ell_{3721} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{16777985} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{16777985} = \mathbf{Pl}(57, 56, 26, 56, 1, 0)_{240280} \\
\ell_{3722} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{4264641} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{4264641} = \mathbf{Pl}(57, 56, 51, 56, 1, 0)_{241855} \\
\ell_{3723} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{11986049} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{11986049} = \mathbf{Pl}(57, 56, 11, 56, 1, 0)_{239335} \\
\ell_{3724} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{3196353} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{3196353} = \mathbf{Pl}(57, 56, 37, 56, 1, 0)_{240973} \\
\ell_{3725} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{7194049} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{7194049} = \mathbf{Pl}(57, 56, 29, 56, 1, 0)_{240469} \\
\ell_{3726} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{12519745} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{12519745} = \mathbf{Pl}(57, 56, 52, 56, 1, 0)_{241918}
\end{aligned}$$

$$\begin{aligned}
\ell_{3727} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{9853761} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{9853761} = \mathbf{Pl}(57, 56, 12, 56, 1, 0)_{239398} \\
\ell_{3728} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{2133313} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{2133313} = \mathbf{Pl}(57, 56, 7, 56, 1, 0)_{239083} \\
\ell_{3729} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{6924225} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{6924225} = \mathbf{Pl}(57, 56, 63, 56, 1, 0)_{242611} \\
\ell_{3730} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{10121729} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{10121729} = \mathbf{Pl}(57, 56, 22, 56, 1, 0)_{240028} \\
\ell_{3731} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{5594689} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{5594689} = \mathbf{Pl}(57, 56, 46, 56, 1, 0)_{241540} \\
\ell_{3732} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{1601217} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{1601217} = \mathbf{Pl}(57, 56, 43, 56, 1, 0)_{241351} \\
\ell_{3733} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{11719169} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{11719169} = \mathbf{Pl}(57, 56, 19, 56, 1, 0)_{239839} \\
\ell_{3734} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{16246465} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{16246465} = \mathbf{Pl}(57, 56, 58, 56, 1, 0)_{242296} \\
\ell_{3735} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{7459585} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{7459585} = \mathbf{Pl}(57, 56, 2, 56, 1, 0)_{238768} \\
\ell_{3736} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{10387585} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{10387585} = \mathbf{Pl}(57, 56, 9, 56, 1, 0)_{239209} \\
\ell_{3737} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{3996673} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{3996673} = \mathbf{Pl}(57, 56, 49, 56, 1, 0)_{241729} \\
\ell_{3738} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{9054593} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{9054593} = \mathbf{Pl}(57, 56, 24, 56, 1, 0)_{240154} \\
\ell_{3739} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{10918657} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{10918657} = \mathbf{Pl}(57, 56, 32, 56, 1, 0)_{240658} \\
\ell_{3740} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{1067649} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{1067649} = \mathbf{Pl}(57, 56, 14, 56, 1, 0)_{239524} \\
\ell_{3741} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{16514177} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{16514177} = \mathbf{Pl}(57, 56, 54, 56, 1, 0)_{242044} \\
\ell_{3742} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{3465153} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{3465153} = \mathbf{Pl}(57, 56, 31, 56, 1, 0)_{240595} \\
\ell_{3743} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{2398017} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{2398017} = \mathbf{Pl}(57, 56, 39, 56, 1, 0)_{241099} \\
\ell_{3744} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{5060865} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{5060865} = \mathbf{Pl}(57, 56, 44, 56, 1, 0)_{241414} \\
\ell_{3745} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{15980737} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{15980737} = \mathbf{Pl}(57, 56, 20, 56, 1, 0)_{239902} \\
\ell_{3746} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{15446785} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{15446785} = \mathbf{Pl}(57, 56, 61, 56, 1, 0)_{242485} \\
\ell_{3747} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{13319233} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{13319233} = \mathbf{Pl}(57, 56, 5, 56, 1, 0)_{238957}
\end{aligned}$$

$$\begin{aligned}
\ell_{3748} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{801601} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{801601} = \mathbf{Pl}(57, 56, 55, 56, 1, 0)_{242107} \\
\ell_{3749} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{13050241} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{13050241} = \mathbf{Pl}(57, 56, 15, 56, 1, 0)_{239587} \\
\ell_{3750} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{5859585} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{5859585} = \mathbf{Pl}(57, 56, 38, 56, 1, 0)_{241036} \\
\ell_{3751} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{10655873} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{10655873} = \mathbf{Pl}(57, 56, 30, 56, 1, 0)_{240532} \\
\ell_{3752} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{12250945} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{12250945} = \mathbf{Pl}(57, 56, 21, 56, 1, 0)_{239965} \\
\ell_{3753} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{2929793} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{2929793} = \mathbf{Pl}(57, 56, 45, 56, 1, 0)_{241477} \\
\ell_{3754} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{3729793} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{3729793} = \mathbf{Pl}(57, 56, 4, 56, 1, 0)_{238894} \\
\ell_{3755} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{5327937} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{5327937} = \mathbf{Pl}(57, 56, 60, 56, 1, 0)_{242422} \\
\ell_{3756} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{9324545} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{9324545} = \mathbf{Pl}(57, 56, 18, 56, 1, 0)_{239776} \\
\ell_{3757} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{6128513} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{6128513} = \mathbf{Pl}(57, 56, 42, 56, 1, 0)_{241288} \\
\ell_{3758} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{14648769} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{14648769} = \mathbf{Pl}(57, 56, 3, 56, 1, 0)_{238831} \\
\ell_{3759} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{14117377} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{14117377} = \mathbf{Pl}(57, 56, 59, 56, 1, 0)_{242359} \\
\ell_{3760} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{4527297} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{4527297} = \mathbf{Pl}(57, 56, 48, 56, 1, 0)_{241666} \\
\ell_{3761} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{1864897} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{1864897} = \mathbf{Pl}(57, 56, 8, 56, 1, 0)_{239146} \\
\ell_{3762} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{9590081} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{9590081} = \mathbf{Pl}(57, 56, 33, 56, 1, 0)_{240721} \\
\ell_{3763} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{2667009} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{2667009} = \mathbf{Pl}(57, 56, 25, 56, 1, 0)_{240217} \\
\ell_{3764} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{533825} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{533825} = \mathbf{Pl}(57, 56, 28, 56, 1, 0)_{240406} \\
\ell_{3765} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{8790977} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{8790977} = \mathbf{Pl}(57, 56, 36, 56, 1, 0)_{240910} \\
\ell_{3766} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{8257089} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{8257089} = \mathbf{Pl}(57, 56, 13, 56, 1, 0)_{239461} \\
\ell_{3767} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{15714689} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{15714689} = \mathbf{Pl}(57, 56, 53, 56, 1, 0)_{241981} \\
\ell_{3768} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{14382017} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{14382017} = \mathbf{Pl}(57, 56, 62, 56, 1, 0)_{242548}
\end{aligned}$$

$$\begin{aligned}
\ell_{3769} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{11452097} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{11452097} = \mathbf{Pl}(57, 56, 6, 56, 1, 0)_{239020} \\
\ell_{3770} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{13848449} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{13848449} = \mathbf{Pl}(57, 56, 47, 56, 1, 0)_{241603} \\
\ell_{3771} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{11187393} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{11187393} = \mathbf{Pl}(57, 56, 23, 56, 1, 0)_{240091} \\
\ell_{3772} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{14913089} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{14913089} = \mathbf{Pl}(57, 56, 1, 56, 1, 0)_{238705} \\
\ell_{3773} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{7991361} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{7991361} = \mathbf{Pl}(57, 56, 40, 56, 1, 0)_{241162} \\
\ell_{3774} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{13581889} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{13581889} = \mathbf{Pl}(57, 56, 16, 56, 1, 0)_{239650} \\
\ell_{3775} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{7723393} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{7723393} = \mathbf{Pl}(57, 56, 27, 56, 1, 0)_{240343} \\
\ell_{3776} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{4796033} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{4796033} = \mathbf{Pl}(57, 56, 35, 56, 1, 0)_{240847} \\
\ell_{3777} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{6660609} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{6660609} = \mathbf{Pl}(57, 56, 10, 56, 1, 0)_{239272} \\
\ell_{3778} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{1333505} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{1333505} = \mathbf{Pl}(57, 56, 50, 56, 1, 0)_{241792} \\
\ell_{3779} &= \begin{bmatrix} 1 & \epsilon^{49} & \epsilon^{49} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8118110} = \begin{bmatrix} 1 & 30 & 30 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8118110} = \mathbf{Pl}(0, 30, 0, 30, 1, 0)_{16129} \\
\ell_{3780} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{13584705} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{13584705} = \mathbf{Pl}(58, 30, 31, 30, 1, 0)_{137402} \\
\ell_{3781} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{270017} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{270017} = \mathbf{Pl}(58, 30, 30, 30, 1, 0)_{137339} \\
\ell_{3782} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{12784449} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{12784449} = \mathbf{Pl}(58, 30, 60, 30, 1, 0)_{139229} \\
\ell_{3783} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{8523137} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{8523137} = \mathbf{Pl}(58, 30, 34, 30, 1, 0)_{137591} \\
\ell_{3784} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{6395265} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{6395265} = \mathbf{Pl}(58, 30, 25, 30, 1, 0)_{137024} \\
\ell_{3785} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{16780033} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{16780033} = \mathbf{Pl}(58, 30, 7, 30, 1, 0)_{135890} \\
\ell_{3786} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{4261569} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{4261569} = \mathbf{Pl}(58, 30, 37, 30, 1, 0)_{137780} \\
\ell_{3787} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{11986945} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{11986945} = \mathbf{Pl}(58, 30, 59, 30, 1, 0)_{139166} \\
\ell_{3788} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{3197633} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{3197633} = \mathbf{Pl}(58, 30, 50, 30, 1, 0)_{138599} \\
\ell_{3789} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{7191297} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{7191297} = \mathbf{Pl}(58, 30, 44, 30, 1, 0)_{138221}
\end{aligned}$$

$$\begin{aligned}
\ell_{3790} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{12518721} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{12518721} = \mathbf{Pl}(58, 30, 14, 30, 1, 0)_{136331} \\
\ell_{3791} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{9853633} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{9853633} = \mathbf{Pl}(58, 30, 16, 30, 1, 0)_{136457} \\
\ell_{3792} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{2133825} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{2133825} = \mathbf{Pl}(58, 30, 43, 30, 1, 0)_{138158} \\
\ell_{3793} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{6926657} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{6926657} = \mathbf{Pl}(58, 30, 53, 30, 1, 0)_{138788} \\
\ell_{3794} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{10122177} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{10122177} = \mathbf{Pl}(58, 30, 23, 30, 1, 0)_{136898} \\
\ell_{3795} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{5594113} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{5594113} = \mathbf{Pl}(58, 30, 9, 30, 1, 0)_{136016} \\
\ell_{3796} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{1601857} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{1601857} = \mathbf{Pl}(58, 30, 5, 30, 1, 0)_{135764} \\
\ell_{3797} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{11717953} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{11717953} = \mathbf{Pl}(58, 30, 27, 30, 1, 0)_{137150} \\
\ell_{3798} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{16248129} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{16248129} = \mathbf{Pl}(58, 30, 57, 30, 1, 0)_{139040} \\
\ell_{3799} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{7457793} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{7457793} = \mathbf{Pl}(58, 30, 39, 30, 1, 0)_{137906} \\
\ell_{3800} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{10387073} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{10387073} = \mathbf{Pl}(58, 30, 28, 30, 1, 0)_{137213} \\
\ell_{3801} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{3997633} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{3997633} = \mathbf{Pl}(58, 30, 2, 30, 1, 0)_{135575} \\
\ell_{3802} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{9054529} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{9054529} = \mathbf{Pl}(58, 30, 32, 30, 1, 0)_{137465} \\
\ell_{3803} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{10920065} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{10920065} = \mathbf{Pl}(58, 30, 62, 30, 1, 0)_{139355} \\
\ell_{3804} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{1067905} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{1067905} = \mathbf{Pl}(58, 30, 55, 30, 1, 0)_{138914} \\
\ell_{3805} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{16512321} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{16512321} = \mathbf{Pl}(58, 30, 41, 30, 1, 0)_{138032} \\
\ell_{3806} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{3464321} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{3464321} = \mathbf{Pl}(58, 30, 11, 30, 1, 0)_{136142} \\
\ell_{3807} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{2397697} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{2397697} = \mathbf{Pl}(58, 30, 21, 30, 1, 0)_{136772} \\
\ell_{3808} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{5062081} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{5062081} = \mathbf{Pl}(58, 30, 46, 30, 1, 0)_{138347} \\
\ell_{3809} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{15978369} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{15978369} = \mathbf{Pl}(58, 30, 48, 30, 1, 0)_{138473} \\
\ell_{3810} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{15449537} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{15449537} = \mathbf{Pl}(58, 30, 18, 30, 1, 0)_{136583}
\end{aligned}$$

$$\begin{aligned}
\ell_{3811} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{13315713} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{13315713} = \mathbf{Pl}(58, 30, 12, 30, 1, 0)_{136205} \\
\ell_{3812} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{801921} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{801921} = \mathbf{Pl}(58, 30, 10, 30, 1, 0)_{136079} \\
\ell_{3813} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{13051393} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{13051393} = \mathbf{Pl}(58, 30, 20, 30, 1, 0)_{136709} \\
\ell_{3814} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{5862017} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{5862017} = \mathbf{Pl}(58, 30, 54, 30, 1, 0)_{138851} \\
\ell_{3815} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{10654401} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{10654401} = \mathbf{Pl}(58, 30, 40, 30, 1, 0)_{137969} \\
\ell_{3816} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{12251777} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{12251777} = \mathbf{Pl}(58, 30, 19, 30, 1, 0)_{136646} \\
\ell_{3817} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{2931009} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{2931009} = \mathbf{Pl}(58, 30, 13, 30, 1, 0)_{136268} \\
\ell_{3818} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{3728897} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{3728897} = \mathbf{Pl}(58, 30, 47, 30, 1, 0)_{138410} \\
\ell_{3819} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{5328193} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{5328193} = \mathbf{Pl}(58, 30, 49, 30, 1, 0)_{138536} \\
\ell_{3820} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{9324289} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{9324289} = \mathbf{Pl}(58, 30, 56, 30, 1, 0)_{138977} \\
\ell_{3821} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{6125889} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{6125889} = \mathbf{Pl}(58, 30, 38, 30, 1, 0)_{137843} \\
\ell_{3822} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{14648257} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{14648257} = \mathbf{Pl}(58, 30, 4, 30, 1, 0)_{135701} \\
\ell_{3823} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{14114945} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{14114945} = \mathbf{Pl}(58, 30, 26, 30, 1, 0)_{137087} \\
\ell_{3824} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{4530305} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{4530305} = \mathbf{Pl}(58, 30, 33, 30, 1, 0)_{137528} \\
\ell_{3825} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{1864449} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{1864449} = \mathbf{Pl}(58, 30, 63, 30, 1, 0)_{139418} \\
\ell_{3826} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{9590785} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{9590785} = \mathbf{Pl}(58, 30, 29, 30, 1, 0)_{137276} \\
\ell_{3827} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{2665089} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{2665089} = \mathbf{Pl}(58, 30, 3, 30, 1, 0)_{135638} \\
\ell_{3828} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{533953} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{533953} = \mathbf{Pl}(58, 30, 15, 30, 1, 0)_{136394} \\
\ell_{3829} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{8790849} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{8790849} = \mathbf{Pl}(58, 30, 17, 30, 1, 0)_{136520} \\
\ell_{3830} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{8259201} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{8259201} = \mathbf{Pl}(58, 30, 51, 30, 1, 0)_{138662} \\
\ell_{3831} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{15712385} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{15712385} = \mathbf{Pl}(58, 30, 45, 30, 1, 0)_{138284}
\end{aligned}$$

$$\begin{aligned}
\ell_{3832} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{14382593} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{14382593} = \mathbf{Pl}(58, 30, 22, 30, 1, 0)_{136835} \\
\ell_{3833} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{11451841} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{11451841} = \mathbf{Pl}(58, 30, 8, 30, 1, 0)_{135953} \\
\ell_{3834} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{13851329} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{13851329} = \mathbf{Pl}(58, 30, 42, 30, 1, 0)_{138095} \\
\ell_{3835} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{11188225} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{11188225} = \mathbf{Pl}(58, 30, 52, 30, 1, 0)_{138725} \\
\ell_{3836} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{15180481} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{15180481} = \mathbf{Pl}(58, 30, 61, 30, 1, 0)_{139292} \\
\ell_{3837} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{14915585} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{14915585} = \mathbf{Pl}(58, 30, 35, 30, 1, 0)_{137654} \\
\ell_{3838} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{7989185} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{7989185} = \mathbf{Pl}(58, 30, 1, 30, 1, 0)_{135512} \\
\ell_{3839} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{7725761} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{7725761} = \mathbf{Pl}(58, 30, 36, 30, 1, 0)_{137717} \\
\ell_{3840} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{4795393} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{4795393} = \mathbf{Pl}(58, 30, 58, 30, 1, 0)_{139103} \\
\ell_{3841} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{6657857} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{6657857} = \mathbf{Pl}(58, 30, 24, 30, 1, 0)_{136961} \\
\ell_{3842} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{1332545} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{1332545} = \mathbf{Pl}(58, 30, 6, 30, 1, 0)_{135827} \\
\ell_{3843} &= \begin{bmatrix} 1 & \epsilon^{38} & \epsilon^{38} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{13797875} = \begin{bmatrix} 1 & 51 & 51 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{13797875} = \mathbf{Pl}(0, 51, 0, 51, 1, 0)_{18817} \\
\ell_{3844} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{7991105} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{7991105} = \mathbf{Pl}(59, 51, 50, 51, 1, 0)_{221949} \\
\ell_{3845} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{270081} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{270081} = \mathbf{Pl}(59, 51, 51, 51, 1, 0)_{222012} \\
\ell_{3846} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{12785473} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{12785473} = \mathbf{Pl}(59, 51, 7, 51, 1, 0)_{219240} \\
\ell_{3847} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{8525185} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{8525185} = \mathbf{Pl}(59, 51, 52, 51, 1, 0)_{222075} \\
\ell_{3848} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{6393729} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{6393729} = \mathbf{Pl}(59, 51, 14, 51, 1, 0)_{219681} \\
\ell_{3849} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{16778305} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{16778305} = \mathbf{Pl}(59, 51, 61, 51, 1, 0)_{222642} \\
\ell_{3850} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{4262593} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{4262593} = \mathbf{Pl}(59, 51, 9, 51, 1, 0)_{219366} \\
\ell_{3851} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{11985601} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{11985601} = \mathbf{Pl}(59, 51, 58, 51, 1, 0)_{222453} \\
\ell_{3852} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{3196865} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{3196865} = \mathbf{Pl}(59, 51, 28, 51, 1, 0)_{220563}
\end{aligned}$$

$$\begin{aligned}
\ell_{3853} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{7190849} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{7190849} = \mathbf{Pl}(59, 51, 47, 51, 1, 0)_{221760} \\
\ell_{3854} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{12516865} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{12516865} = \mathbf{Pl}(59, 51, 27, 51, 1, 0)_{220500} \\
\ell_{3855} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{9855489} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{9855489} = \mathbf{Pl}(59, 51, 40, 51, 1, 0)_{221319} \\
\ell_{3856} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{2134337} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{2134337} = \mathbf{Pl}(59, 51, 18, 51, 1, 0)_{219933} \\
\ell_{3857} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{6927041} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{6927041} = \mathbf{Pl}(59, 51, 33, 51, 1, 0)_{220878} \\
\ell_{3858} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{10120513} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{10120513} = \mathbf{Pl}(59, 51, 21, 51, 1, 0)_{220122} \\
\ell_{3859} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{5593281} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{5593281} = \mathbf{Pl}(59, 51, 38, 51, 1, 0)_{221193} \\
\ell_{3860} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{1601473} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{1601473} = \mathbf{Pl}(59, 51, 56, 51, 1, 0)_{222327} \\
\ell_{3861} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{11719745} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{11719745} = \mathbf{Pl}(59, 51, 11, 51, 1, 0)_{219492} \\
\ell_{3862} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{16244865} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{16244865} = \mathbf{Pl}(59, 51, 63, 51, 1, 0)_{222768} \\
\ell_{3863} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{7457025} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{7457025} = \mathbf{Pl}(59, 51, 12, 51, 1, 0)_{219555} \\
\ell_{3864} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{10389185} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{10389185} = \mathbf{Pl}(59, 51, 54, 51, 1, 0)_{222201} \\
\ell_{3865} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{3998593} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{3998593} = \mathbf{Pl}(59, 51, 5, 51, 1, 0)_{219114} \\
\ell_{3866} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{9056449} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{9056449} = \mathbf{Pl}(59, 51, 49, 51, 1, 0)_{221886} \\
\ell_{3867} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{10921537} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{10921537} = \mathbf{Pl}(59, 51, 2, 51, 1, 0)_{218925} \\
\ell_{3868} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{1068161} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{1068161} = \mathbf{Pl}(59, 51, 36, 51, 1, 0)_{221067} \\
\ell_{3869} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{16513473} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{16513473} = \mathbf{Pl}(59, 51, 23, 51, 1, 0)_{220248} \\
\ell_{3870} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{3464513} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{3464513} = \mathbf{Pl}(59, 51, 35, 51, 1, 0)_{221004} \\
\ell_{3871} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{2397121} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{2397121} = \mathbf{Pl}(59, 51, 16, 51, 1, 0)_{219807} \\
\ell_{3872} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{5063297} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{5063297} = \mathbf{Pl}(59, 51, 42, 51, 1, 0)_{221445} \\
\ell_{3873} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{15982209} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{15982209} = \mathbf{Pl}(59, 51, 25, 51, 1, 0)_{220374}
\end{aligned}$$

$$\begin{aligned}
\ell_{3874} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{15446081} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{15446081} = \mathbf{Pl}(59, 51, 45, 51, 1, 0)_{221634} \\
\ell_{3875} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{13318913} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{13318913} = \mathbf{Pl}(59, 51, 30, 51, 1, 0)_{220689} \\
\ell_{3876} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{801729} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{801729} = \mathbf{Pl}(59, 51, 17, 51, 1, 0)_{219870} \\
\ell_{3877} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{13050305} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{13050305} = \mathbf{Pl}(59, 51, 34, 51, 1, 0)_{220941} \\
\ell_{3878} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{5860865} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{5860865} = \mathbf{Pl}(59, 51, 22, 51, 1, 0)_{220185} \\
\ell_{3879} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{10652865} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{10652865} = \mathbf{Pl}(59, 51, 37, 51, 1, 0)_{221130} \\
\ell_{3880} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{12253185} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{12253185} = \mathbf{Pl}(59, 51, 31, 51, 1, 0)_{220752} \\
\ell_{3881} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{2930433} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{2930433} = \mathbf{Pl}(59, 51, 44, 51, 1, 0)_{221571} \\
\ell_{3882} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{3728513} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{3728513} = \mathbf{Pl}(59, 51, 24, 51, 1, 0)_{220311} \\
\ell_{3883} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{5329473} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{5329473} = \mathbf{Pl}(59, 51, 43, 51, 1, 0)_{221508} \\
\ell_{3884} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{9322305} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{9322305} = \mathbf{Pl}(59, 51, 13, 51, 1, 0)_{219618} \\
\ell_{3885} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{6126593} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{6126593} = \mathbf{Pl}(59, 51, 62, 51, 1, 0)_{222705} \\
\ell_{3886} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{14649729} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{14649729} = \mathbf{Pl}(59, 51, 10, 51, 1, 0)_{219429} \\
\ell_{3887} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{14117697} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{14117697} = \mathbf{Pl}(59, 51, 57, 51, 1, 0)_{222390} \\
\ell_{3888} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{4529217} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{4529217} = \mathbf{Pl}(59, 51, 3, 51, 1, 0)_{218988} \\
\ell_{3889} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{1864257} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{1864257} = \mathbf{Pl}(59, 51, 48, 51, 1, 0)_{221823} \\
\ell_{3890} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{9588481} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{9588481} = \mathbf{Pl}(59, 51, 4, 51, 1, 0)_{219051} \\
\ell_{3891} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{2665729} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{2665729} = \mathbf{Pl}(59, 51, 55, 51, 1, 0)_{222264} \\
\ell_{3892} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{534081} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{534081} = \mathbf{Pl}(59, 51, 41, 51, 1, 0)_{221382} \\
\ell_{3893} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{8788865} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{8788865} = \mathbf{Pl}(59, 51, 26, 51, 1, 0)_{220437} \\
\ell_{3894} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{8257729} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{8257729} = \mathbf{Pl}(59, 51, 46, 51, 1, 0)_{221697}
\end{aligned}$$

$$\begin{aligned}
\ell_{3895} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{15715777} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{15715777} = \mathbf{Pl}(59, 51, 29, 51, 1, 0)_{220626} \\
\ell_{3896} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{14381697} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{14381697} = \mathbf{Pl}(59, 51, 39, 51, 1, 0)_{221256} \\
\ell_{3897} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{11453569} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{11453569} = \mathbf{Pl}(59, 51, 20, 51, 1, 0)_{220059} \\
\ell_{3898} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{13848001} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{13848001} = \mathbf{Pl}(59, 51, 32, 51, 1, 0)_{220815} \\
\ell_{3899} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{11186561} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{11186561} = \mathbf{Pl}(59, 51, 19, 51, 1, 0)_{219996} \\
\ell_{3900} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{15182081} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{15182081} = \mathbf{Pl}(59, 51, 53, 51, 1, 0)_{222138} \\
\ell_{3901} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{14914049} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{14914049} = \mathbf{Pl}(59, 51, 6, 51, 1, 0)_{219177} \\
\ell_{3902} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{13581569} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{13581569} = \mathbf{Pl}(59, 51, 1, 51, 1, 0)_{218862} \\
\ell_{3903} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{7726081} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{7726081} = \mathbf{Pl}(59, 51, 59, 51, 1, 0)_{222516} \\
\ell_{3904} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{4794241} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{4794241} = \mathbf{Pl}(59, 51, 8, 51, 1, 0)_{219303} \\
\ell_{3905} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{6659457} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{6659457} = \mathbf{Pl}(59, 51, 60, 51, 1, 0)_{222579} \\
\ell_{3906} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{1332865} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{1332865} = \mathbf{Pl}(59, 51, 15, 51, 1, 0)_{219744} \\
\ell_{3907} &= \begin{bmatrix} 1 & \epsilon^{13} & \epsilon^{13} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7847645} = \begin{bmatrix} 1 & 29 & 29 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7847645} = \mathbf{Pl}(0, 29, 0, 29, 1, 0)_{16001} \\
\ell_{3908} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{4794689} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{4794689} = \mathbf{Pl}(60, 29, 28, 29, 1, 0)_{133246} \\
\ell_{3909} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{270145} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{270145} = \mathbf{Pl}(60, 29, 29, 29, 1, 0)_{133309} \\
\ell_{3910} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{12784513} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{12784513} = \mathbf{Pl}(60, 29, 58, 29, 1, 0)_{135136} \\
\ell_{3911} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{8523009} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{8523009} = \mathbf{Pl}(60, 29, 39, 29, 1, 0)_{133939} \\
\ell_{3912} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{6392257} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{6392257} = \mathbf{Pl}(60, 29, 21, 29, 1, 0)_{132805} \\
\ell_{3913} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{16777921} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{16777921} = \mathbf{Pl}(60, 29, 8, 29, 1, 0)_{131986} \\
\ell_{3914} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{4261505} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{4261505} = \mathbf{Pl}(60, 29, 47, 29, 1, 0)_{134443} \\
\ell_{3915} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{11985665} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{11985665} = \mathbf{Pl}(60, 29, 50, 29, 1, 0)_{134632}
\end{aligned}$$

$$\begin{aligned}
\ell_{3916} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{3199169} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{3199169} = \mathbf{Pl}(60, 29, 42, 29, 1, 0)_{134128} \\
\ell_{3917} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{7192897} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{7192897} = \mathbf{Pl}(60, 29, 55, 29, 1, 0)_{134947} \\
\ell_{3918} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{12516673} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{12516673} = \mathbf{Pl}(60, 29, 16, 29, 1, 0)_{132490} \\
\ell_{3919} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{9854913} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{9854913} = \mathbf{Pl}(60, 29, 13, 29, 1, 0)_{132301} \\
\ell_{3920} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{2130753} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{2130753} = \mathbf{Pl}(60, 29, 63, 29, 1, 0)_{135451} \\
\ell_{3921} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{6925313} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{6925313} = \mathbf{Pl}(60, 29, 34, 29, 1, 0)_{133624} \\
\ell_{3922} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{10123585} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{10123585} = \mathbf{Pl}(60, 29, 5, 29, 1, 0)_{131797} \\
\ell_{3923} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{5592641} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{5592641} = \mathbf{Pl}(60, 29, 24, 29, 1, 0)_{132994} \\
\ell_{3924} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{1600577} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{1600577} = \mathbf{Pl}(60, 29, 53, 29, 1, 0)_{134821} \\
\ell_{3925} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{11719617} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{11719617} = \mathbf{Pl}(60, 29, 40, 29, 1, 0)_{134002} \\
\ell_{3926} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{16245889} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{16245889} = \mathbf{Pl}(60, 29, 15, 29, 1, 0)_{132427} \\
\ell_{3927} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{7460417} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{7460417} = \mathbf{Pl}(60, 29, 18, 29, 1, 0)_{132616} \\
\ell_{3928} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{10386049} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{10386049} = \mathbf{Pl}(60, 29, 32, 29, 1, 0)_{133498} \\
\ell_{3929} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{3995713} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{3995713} = \mathbf{Pl}(60, 29, 61, 29, 1, 0)_{135325} \\
\ell_{3930} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{9055169} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{9055169} = \mathbf{Pl}(60, 29, 26, 29, 1, 0)_{133120} \\
\ell_{3931} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{10921345} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{10921345} = \mathbf{Pl}(60, 29, 7, 29, 1, 0)_{131923} \\
\ell_{3932} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{1068417} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{1068417} = \mathbf{Pl}(60, 29, 31, 29, 1, 0)_{133435} \\
\ell_{3933} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{16513921} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{16513921} = \mathbf{Pl}(60, 29, 2, 29, 1, 0)_{131608} \\
\ell_{3934} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{3462657} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{3462657} = \mathbf{Pl}(60, 29, 37, 29, 1, 0)_{133813} \\
\ell_{3935} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{2400385} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{2400385} = \mathbf{Pl}(60, 29, 56, 29, 1, 0)_{135010} \\
\ell_{3936} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{5062785} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{5062785} = \mathbf{Pl}(60, 29, 10, 29, 1, 0)_{132112}
\end{aligned}$$

$$\begin{aligned}
\ell_{3937} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{15980865} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{15980865} = \mathbf{Pl}(60, 29, 23, 29, 1, 0)_{132931} \\
\ell_{3938} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{15445761} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{15445761} = \mathbf{Pl}(60, 29, 48, 29, 1, 0)_{134506} \\
\ell_{3939} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{13315649} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{13315649} = \mathbf{Pl}(60, 29, 45, 29, 1, 0)_{134317} \\
\ell_{3940} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{801281} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{801281} = \mathbf{Pl}(60, 29, 11, 29, 1, 0)_{132175} \\
\ell_{3941} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{13051073} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{13051073} = \mathbf{Pl}(60, 29, 22, 29, 1, 0)_{132868} \\
\ell_{3942} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{5860801} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{5860801} = \mathbf{Pl}(60, 29, 49, 29, 1, 0)_{134569} \\
\ell_{3943} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{10653249} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{10653249} = \mathbf{Pl}(60, 29, 44, 29, 1, 0)_{134254} \\
\ell_{3944} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{12253697} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{12253697} = \mathbf{Pl}(60, 29, 30, 29, 1, 0)_{133372} \\
\ell_{3945} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{2931393} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{2931393} = \mathbf{Pl}(60, 29, 3, 29, 1, 0)_{131671} \\
\ell_{3946} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{3731201} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{3731201} = \mathbf{Pl}(60, 29, 36, 29, 1, 0)_{133750} \\
\ell_{3947} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{5329665} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{5329665} = \mathbf{Pl}(60, 29, 57, 29, 1, 0)_{135073} \\
\ell_{3948} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{9323777} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{9323777} = \mathbf{Pl}(60, 29, 33, 29, 1, 0)_{133561} \\
\ell_{3949} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{6126849} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{6126849} = \mathbf{Pl}(60, 29, 60, 29, 1, 0)_{135262} \\
\ell_{3950} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{14647297} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{14647297} = \mathbf{Pl}(60, 29, 27, 29, 1, 0)_{133183} \\
\ell_{3951} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{14115137} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{14115137} = \mathbf{Pl}(60, 29, 6, 29, 1, 0)_{131860} \\
\ell_{3952} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{4530625} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{4530625} = \mathbf{Pl}(60, 29, 52, 29, 1, 0)_{134758} \\
\ell_{3953} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{1865601} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{1865601} = \mathbf{Pl}(60, 29, 41, 29, 1, 0)_{134065} \\
\ell_{3954} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{9589377} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{9589377} = \mathbf{Pl}(60, 29, 14, 29, 1, 0)_{132364} \\
\ell_{3955} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{2664833} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{2664833} = \mathbf{Pl}(60, 29, 19, 29, 1, 0)_{132679} \\
\ell_{3956} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{534209} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{534209} = \mathbf{Pl}(60, 29, 62, 29, 1, 0)_{135388} \\
\ell_{3957} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{8790593} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{8790593} = \mathbf{Pl}(60, 29, 35, 29, 1, 0)_{133687}
\end{aligned}$$

$$\begin{aligned}
\ell_{3958} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{8256961} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{8256961} = \mathbf{Pl}(60, 29, 4, 29, 1, 0)_{131734} \\
\ell_{3959} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{15715905} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{15715905} = \mathbf{Pl}(60, 29, 25, 29, 1, 0)_{133057} \\
\ell_{3960} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{14383809} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{14383809} = \mathbf{Pl}(60, 29, 43, 29, 1, 0)_{134191} \\
\ell_{3961} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{11454401} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{11454401} = \mathbf{Pl}(60, 29, 54, 29, 1, 0)_{134884} \\
\ell_{3962} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{13850625} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{13850625} = \mathbf{Pl}(60, 29, 17, 29, 1, 0)_{132553} \\
\ell_{3963} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{11185281} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{11185281} = \mathbf{Pl}(60, 29, 12, 29, 1, 0)_{132238} \\
\ell_{3964} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{15181825} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{15181825} = \mathbf{Pl}(60, 29, 20, 29, 1, 0)_{132742} \\
\ell_{3965} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{14914753} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{14914753} = \mathbf{Pl}(60, 29, 9, 29, 1, 0)_{132049} \\
\ell_{3966} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{7991425} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{7991425} = \mathbf{Pl}(60, 29, 46, 29, 1, 0)_{134380} \\
\ell_{3967} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{13585281} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{13585281} = \mathbf{Pl}(60, 29, 51, 29, 1, 0)_{134695} \\
\ell_{3968} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{7722881} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{7722881} = \mathbf{Pl}(60, 29, 1, 29, 1, 0)_{131545} \\
\ell_{3969} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{6660865} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{6660865} = \mathbf{Pl}(60, 29, 59, 29, 1, 0)_{135199} \\
\ell_{3970} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{1332417} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{1332417} = \mathbf{Pl}(60, 29, 38, 29, 1, 0)_{133876} \\
\ell_{3971} &= \begin{bmatrix} 1 & \epsilon^{35} & \epsilon^{35} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4872530} = \begin{bmatrix} 1 & 18 & 18 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4872530} = \mathbf{Pl}(0, 18, 0, 18, 1, 0)_{14593} \\
\ell_{3972} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{7724609} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{7724609} = \mathbf{Pl}(61, 18, 19, 18, 1, 0)_{89021} \\
\ell_{3973} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{270209} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{270209} = \mathbf{Pl}(61, 18, 18, 18, 1, 0)_{88958} \\
\ell_{3974} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{12785537} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{12785537} = \mathbf{Pl}(61, 18, 36, 18, 1, 0)_{90092} \\
\ell_{3975} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{8525057} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{8525057} = \mathbf{Pl}(61, 18, 54, 18, 1, 0)_{91226} \\
\ell_{3976} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{6392769} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{6392769} = \mathbf{Pl}(61, 18, 41, 18, 1, 0)_{90407} \\
\ell_{3977} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{16780417} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{16780417} = \mathbf{Pl}(61, 18, 59, 18, 1, 0)_{91541} \\
\ell_{3978} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{4262529} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{4262529} = \mathbf{Pl}(61, 18, 13, 18, 1, 0)_{88643}
\end{aligned}$$

$$\begin{aligned}
\ell_{3979} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{11986881} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{11986881} = \mathbf{Pl}(61, 18, 31, 18, 1, 0)_{89777} \\
\ell_{3980} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{3199425} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{3199425} = \mathbf{Pl}(61, 18, 51, 18, 1, 0)_{91037} \\
\ell_{3981} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{7193345} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{7193345} = \mathbf{Pl}(61, 18, 33, 18, 1, 0)_{89903} \\
\ell_{3982} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{12518913} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{12518913} = \mathbf{Pl}(61, 18, 23, 18, 1, 0)_{89273} \\
\ell_{3983} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{9857281} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{9857281} = \mathbf{Pl}(61, 18, 5, 18, 1, 0)_{88139} \\
\ell_{3984} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{2131265} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{2131265} = \mathbf{Pl}(61, 18, 26, 18, 1, 0)_{89462} \\
\ell_{3985} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{6924673} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{6924673} = \mathbf{Pl}(61, 18, 8, 18, 1, 0)_{88328} \\
\ell_{3986} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{10121153} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{10121153} = \mathbf{Pl}(61, 18, 62, 18, 1, 0)_{91730} \\
\ell_{3987} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{5593473} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{5593473} = \mathbf{Pl}(61, 18, 44, 18, 1, 0)_{90596} \\
\ell_{3988} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{1600705} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{1600705} = \mathbf{Pl}(61, 18, 7, 18, 1, 0)_{88265} \\
\ell_{3989} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{11718337} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{11718337} = \mathbf{Pl}(61, 18, 21, 18, 1, 0)_{89147} \\
\ell_{3990} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{16247105} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{16247105} = \mathbf{Pl}(61, 18, 35, 18, 1, 0)_{90029} \\
\ell_{3991} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{7458625} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{7458625} = \mathbf{Pl}(61, 18, 49, 18, 1, 0)_{90911} \\
\ell_{3992} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{10388161} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{10388161} = \mathbf{Pl}(61, 18, 46, 18, 1, 0)_{90722} \\
\ell_{3993} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{3996417} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{3996417} = \mathbf{Pl}(61, 18, 60, 18, 1, 0)_{91604} \\
\ell_{3994} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{9057345} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{9057345} = \mathbf{Pl}(61, 18, 10, 18, 1, 0)_{88454} \\
\ell_{3995} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{10918721} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{10918721} = \mathbf{Pl}(61, 18, 24, 18, 1, 0)_{89336} \\
\ell_{3996} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{1068673} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{1068673} = \mathbf{Pl}(61, 18, 52, 18, 1, 0)_{91100} \\
\ell_{3997} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{16511745} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{16511745} = \mathbf{Pl}(61, 18, 38, 18, 1, 0)_{90218} \\
\ell_{3998} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{3462337} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{3462337} = \mathbf{Pl}(61, 18, 16, 18, 1, 0)_{88832} \\
\ell_{3999} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{2399809} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{2399809} = \mathbf{Pl}(61, 18, 2, 18, 1, 0)_{87950}
\end{aligned}$$

$$\begin{aligned}
\ell_{4000} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{5063617} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{5063617} = \mathbf{Pl}(61, 18, 29, 18, 1, 0)_{89651} \\
\ell_{4001} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{15979585} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{15979585} = \mathbf{Pl}(61, 18, 15, 18, 1, 0)_{88769} \\
\ell_{4002} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{15449217} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{15449217} = \mathbf{Pl}(61, 18, 57, 18, 1, 0)_{91415} \\
\ell_{4003} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{13318593} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{13318593} = \mathbf{Pl}(61, 18, 43, 18, 1, 0)_{90533} \\
\ell_{4004} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{801345} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{801345} = \mathbf{Pl}(61, 18, 14, 18, 1, 0)_{88706} \\
\ell_{4005} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{13050113} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{13050113} = \mathbf{Pl}(61, 18, 28, 18, 1, 0)_{89588} \\
\ell_{4006} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{5862209} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{5862209} = \mathbf{Pl}(61, 18, 42, 18, 1, 0)_{90470} \\
\ell_{4007} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{10655809} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{10655809} = \mathbf{Pl}(61, 18, 56, 18, 1, 0)_{91352} \\
\ell_{4008} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{12251265} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{12251265} = \mathbf{Pl}(61, 18, 39, 18, 1, 0)_{90281} \\
\ell_{4009} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{2932097} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{2932097} = \mathbf{Pl}(61, 18, 53, 18, 1, 0)_{91163} \\
\ell_{4010} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{3730305} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{3730305} = \mathbf{Pl}(61, 18, 3, 18, 1, 0)_{88013} \\
\ell_{4011} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{5328897} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{5328897} = \mathbf{Pl}(61, 18, 17, 18, 1, 0)_{88895} \\
\ell_{4012} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{9321793} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{9321793} = \mathbf{Pl}(61, 18, 61, 18, 1, 0)_{91667} \\
\ell_{4013} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{6125633} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{6125633} = \mathbf{Pl}(61, 18, 47, 18, 1, 0)_{90785} \\
\ell_{4014} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{14650689} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{14650689} = \mathbf{Pl}(61, 18, 25, 18, 1, 0)_{89399} \\
\ell_{4015} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{14116481} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{14116481} = \mathbf{Pl}(61, 18, 11, 18, 1, 0)_{88517} \\
\ell_{4016} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{4529665} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{4529665} = \mathbf{Pl}(61, 18, 20, 18, 1, 0)_{89084} \\
\ell_{4017} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{1865153} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{1865153} = \mathbf{Pl}(61, 18, 6, 18, 1, 0)_{88202} \\
\ell_{4018} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{9587073} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{9587073} = \mathbf{Pl}(61, 18, 48, 18, 1, 0)_{90848} \\
\ell_{4019} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{2664449} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{2664449} = \mathbf{Pl}(61, 18, 34, 18, 1, 0)_{89966} \\
\ell_{4020} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{534337} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{534337} = \mathbf{Pl}(61, 18, 9, 18, 1, 0)_{88391}
\end{aligned}$$

$$\begin{aligned}
\ell_{4021} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{8788609} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{8788609} = \mathbf{Pl}(61, 18, 27, 18, 1, 0)_{89525} \\
\ell_{4022} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{8255873} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{8255873} = \mathbf{Pl}(61, 18, 45, 18, 1, 0)_{90659} \\
\ell_{4023} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{15712257} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{15712257} = \mathbf{Pl}(61, 18, 63, 18, 1, 0)_{91793} \\
\ell_{4024} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{14380609} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{14380609} = \mathbf{Pl}(61, 18, 32, 18, 1, 0)_{89840} \\
\ell_{4025} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{11453057} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{11453057} = \mathbf{Pl}(61, 18, 50, 18, 1, 0)_{90974} \\
\ell_{4026} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{13849345} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{13849345} = \mathbf{Pl}(61, 18, 4, 18, 1, 0)_{88076} \\
\ell_{4027} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{11186945} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{11186945} = \mathbf{Pl}(61, 18, 22, 18, 1, 0)_{89210} \\
\ell_{4028} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{15181249} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{15181249} = \mathbf{Pl}(61, 18, 58, 18, 1, 0)_{91478} \\
\ell_{4029} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{14915265} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{14915265} = \mathbf{Pl}(61, 18, 40, 18, 1, 0)_{90344} \\
\ell_{4030} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{7992833} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{7992833} = \mathbf{Pl}(61, 18, 30, 18, 1, 0)_{89714} \\
\ell_{4031} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{13582017} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{13582017} = \mathbf{Pl}(61, 18, 12, 18, 1, 0)_{88580} \\
\ell_{4032} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{4793537} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{4793537} = \mathbf{Pl}(61, 18, 1, 18, 1, 0)_{87887} \\
\ell_{4033} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{6660289} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{6660289} = \mathbf{Pl}(61, 18, 55, 18, 1, 0)_{91289} \\
\ell_{4034} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{1332225} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{1332225} = \mathbf{Pl}(61, 18, 37, 18, 1, 0)_{90155} \\
\ell_{4035} &= \begin{bmatrix} 1 & \epsilon^{51} & \epsilon^{51} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{6765785} = \begin{bmatrix} 1 & 25 & 25 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{6765785} = \mathbf{Pl}(0, 25, 0, 25, 1, 0)_{15489} \\
\ell_{4036} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{1331777} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{1331777} = \mathbf{Pl}(62, 25, 24, 25, 1, 0)_{117120} \\
\ell_{4037} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{270273} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{270273} = \mathbf{Pl}(62, 25, 25, 25, 1, 0)_{117183} \\
\ell_{4038} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{12784577} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{12784577} = \mathbf{Pl}(62, 25, 50, 25, 1, 0)_{118758} \\
\ell_{4039} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{8525121} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{8525121} = \mathbf{Pl}(62, 25, 43, 25, 1, 0)_{118317} \\
\ell_{4040} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{6395329} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{6395329} = \mathbf{Pl}(62, 25, 5, 25, 1, 0)_{115923} \\
\ell_{4041} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{16778369} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{16778369} = \mathbf{Pl}(62, 25, 28, 25, 1, 0)_{117372}
\end{aligned}$$

$$\begin{aligned}
\ell_{4042} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{4263553} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{4263553} = \mathbf{Pl}(62, 25, 55, 25, 1, 0)_{119073} \\
\ell_{4043} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{11985985} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{11985985} = \mathbf{Pl}(62, 25, 46, 25, 1, 0)_{118506} \\
\ell_{4044} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{3198657} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{3198657} = \mathbf{Pl}(62, 25, 10, 25, 1, 0)_{116238} \\
\ell_{4045} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{7192001} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{7192001} = \mathbf{Pl}(62, 25, 19, 25, 1, 0)_{116805} \\
\ell_{4046} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{12519937} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{12519937} = \mathbf{Pl}(62, 25, 56, 25, 1, 0)_{119136} \\
\ell_{4047} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{9856385} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{9856385} = \mathbf{Pl}(62, 25, 33, 25, 1, 0)_{117687} \\
\ell_{4048} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{2131777} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{2131777} = \mathbf{Pl}(62, 25, 15, 25, 1, 0)_{116553} \\
\ell_{4049} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{6926081} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{6926081} = \mathbf{Pl}(62, 25, 22, 25, 1, 0)_{116994} \\
\ell_{4050} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{10120705} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{10120705} = \mathbf{Pl}(62, 25, 61, 25, 1, 0)_{119451} \\
\ell_{4051} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{5595329} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{5595329} = \mathbf{Pl}(62, 25, 36, 25, 1, 0)_{117876} \\
\ell_{4052} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{1600321} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{1600321} = \mathbf{Pl}(62, 25, 20, 25, 1, 0)_{116868} \\
\ell_{4053} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{11719041} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{11719041} = \mathbf{Pl}(62, 25, 13, 25, 1, 0)_{116427} \\
\ell_{4054} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{16245441} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{16245441} = \mathbf{Pl}(62, 25, 38, 25, 1, 0)_{118002} \\
\ell_{4055} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{7456833} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{7456833} = \mathbf{Pl}(62, 25, 63, 25, 1, 0)_{119577} \\
\ell_{4056} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{10388673} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{10388673} = \mathbf{Pl}(62, 25, 17, 25, 1, 0)_{116679} \\
\ell_{4057} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{3995329} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{3995329} = \mathbf{Pl}(62, 25, 8, 25, 1, 0)_{116112} \\
\ell_{4058} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{9056897} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{9056897} = \mathbf{Pl}(62, 25, 35, 25, 1, 0)_{117813} \\
\ell_{4059} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{10920385} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{10920385} = \mathbf{Pl}(62, 25, 58, 25, 1, 0)_{119262} \\
\ell_{4060} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{1068929} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{1068929} = \mathbf{Pl}(62, 25, 30, 25, 1, 0)_{117498} \\
\ell_{4061} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{16513729} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{16513729} = \mathbf{Pl}(62, 25, 7, 25, 1, 0)_{116049} \\
\ell_{4062} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{3463041} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{3463041} = \mathbf{Pl}(62, 25, 44, 25, 1, 0)_{118380}
\end{aligned}$$

$$\begin{aligned}
\ell_{4063} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{2399489} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{2399489} = \mathbf{Pl}(62, 25, 53, 25, 1, 0)_{118947} \\
\ell_{4064} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{5060353} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{5060353} = \mathbf{Pl}(62, 25, 27, 25, 1, 0)_{117309} \\
\ell_{4065} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{15981313} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{15981313} = \mathbf{Pl}(62, 25, 2, 25, 1, 0)_{115734} \\
\ell_{4066} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{15447105} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{15447105} = \mathbf{Pl}(62, 25, 41, 25, 1, 0)_{118191} \\
\ell_{4067} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{13315329} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{13315329} = \mathbf{Pl}(62, 25, 48, 25, 1, 0)_{118632} \\
\ell_{4068} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{801153} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{801153} = \mathbf{Pl}(62, 25, 40, 25, 1, 0)_{118128} \\
\ell_{4069} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{13051009} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{13051009} = \mathbf{Pl}(62, 25, 49, 25, 1, 0)_{118695} \\
\ell_{4070} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{5859521} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{5859521} = \mathbf{Pl}(62, 25, 26, 25, 1, 0)_{117246} \\
\ell_{4071} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{10654209} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{10654209} = \mathbf{Pl}(62, 25, 3, 25, 1, 0)_{115797} \\
\ell_{4072} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{12250433} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{12250433} = \mathbf{Pl}(62, 25, 45, 25, 1, 0)_{118443} \\
\ell_{4073} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{2932801} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{2932801} = \mathbf{Pl}(62, 25, 52, 25, 1, 0)_{118884} \\
\ell_{4074} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{3731457} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{3731457} = \mathbf{Pl}(62, 25, 31, 25, 1, 0)_{117561} \\
\ell_{4075} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{5327105} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{5327105} = \mathbf{Pl}(62, 25, 6, 25, 1, 0)_{115986} \\
\ell_{4076} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{9322049} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{9322049} = \mathbf{Pl}(62, 25, 34, 25, 1, 0)_{117750} \\
\ell_{4077} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{6128257} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{6128257} = \mathbf{Pl}(62, 25, 59, 25, 1, 0)_{119325} \\
\ell_{4078} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{14647105} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{14647105} = \mathbf{Pl}(62, 25, 16, 25, 1, 0)_{116616} \\
\ell_{4079} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{14115841} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{14115841} = \mathbf{Pl}(62, 25, 9, 25, 1, 0)_{116175} \\
\ell_{4080} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{4528449} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{4528449} = \mathbf{Pl}(62, 25, 39, 25, 1, 0)_{118065} \\
\ell_{4081} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{1865729} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{1865729} = \mathbf{Pl}(62, 25, 62, 25, 1, 0)_{119514} \\
\ell_{4082} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{9587905} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{9587905} = \mathbf{Pl}(62, 25, 21, 25, 1, 0)_{116931} \\
\ell_{4083} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{2663553} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{2663553} = \mathbf{Pl}(62, 25, 12, 25, 1, 0)_{116364}
\end{aligned}$$

$$\begin{aligned}
\ell_{4084} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{534465} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{534465} = \mathbf{Pl}(62, 25, 60, 25, 1, 0)_{119388} \\
\ell_{4085} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{8788737} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{8788737} = \mathbf{Pl}(62, 25, 37, 25, 1, 0)_{117939} \\
\ell_{4086} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{8257857} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{8257857} = \mathbf{Pl}(62, 25, 14, 25, 1, 0)_{116490} \\
\ell_{4087} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{15714561} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{15714561} = \mathbf{Pl}(62, 25, 23, 25, 1, 0)_{117057} \\
\ell_{4088} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{14384001} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{14384001} = \mathbf{Pl}(62, 25, 57, 25, 1, 0)_{119199} \\
\ell_{4089} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{11451265} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{11451265} = \mathbf{Pl}(62, 25, 32, 25, 1, 0)_{117624} \\
\ell_{4090} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{13850177} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{13850177} = \mathbf{Pl}(62, 25, 11, 25, 1, 0)_{116301} \\
\ell_{4091} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{11188673} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{11188673} = \mathbf{Pl}(62, 25, 18, 25, 1, 0)_{116742} \\
\ell_{4092} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{15182657} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{15182657} = \mathbf{Pl}(62, 25, 54, 25, 1, 0)_{119010} \\
\ell_{4093} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{14913665} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{14913665} = \mathbf{Pl}(62, 25, 47, 25, 1, 0)_{118569} \\
\ell_{4094} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{7990657} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{7990657} = \mathbf{Pl}(62, 25, 4, 25, 1, 0)_{115860} \\
\ell_{4095} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{13585345} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{13585345} = \mathbf{Pl}(62, 25, 29, 25, 1, 0)_{117435} \\
\ell_{4096} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{7726593} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{7726593} = \mathbf{Pl}(62, 25, 51, 25, 1, 0)_{118821} \\
\ell_{4097} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{4796993} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{4796993} = \mathbf{Pl}(62, 25, 42, 25, 1, 0)_{118254} \\
\ell_{4098} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{6657665} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{6657665} = \mathbf{Pl}(62, 25, 1, 25, 1, 0)_{115671} \\
\ell_{4099} &= \begin{bmatrix} 1 & \epsilon^{53} & \epsilon^{53} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1356485} = \begin{bmatrix} 1 & 5 & 5 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1356485} = \mathbf{Pl}(0, 5, 0, 5, 1, 0)_{12929} \\
\ell_{4100} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{51} \\ 0 & 1 & 1 & \epsilon^{61} \end{bmatrix}_{6659137} = \begin{bmatrix} 1 & 0 & 0 & 25 \\ 0 & 1 & 1 & 24 \end{bmatrix}_{6659137} = \mathbf{Pl}(63, 5, 4, 5, 1, 0)_{36481} \\
\ell_{4101} &= \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & \epsilon^{10} \end{bmatrix}_{270337} = \begin{bmatrix} 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 63 \end{bmatrix}_{270337} = \mathbf{Pl}(63, 5, 5, 5, 1, 0)_{36544} \\
\ell_{4102} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{62} \\ 0 & 1 & 1 & \epsilon^9 \end{bmatrix}_{12785601} = \begin{bmatrix} 1 & 0 & 0 & 48 \\ 0 & 1 & 1 & 47 \end{bmatrix}_{12785601} = \mathbf{Pl}(63, 5, 10, 5, 1, 0)_{36859} \\
\ell_{4103} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^5 \\ 0 & 1 & 1 & \epsilon^{15} \end{bmatrix}_{8523073} = \begin{bmatrix} 1 & 0 & 0 & 32 \\ 0 & 1 & 1 & 21 \end{bmatrix}_{8523073} = \mathbf{Pl}(63, 5, 15, 5, 1, 0)_{37174} \\
\ell_{4104} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{61} \\ 0 & 1 & 1 & \epsilon^8 \end{bmatrix}_{6393793} = \begin{bmatrix} 1 & 0 & 0 & 24 \\ 0 & 1 & 1 & 39 \end{bmatrix}_{6393793} = \mathbf{Pl}(63, 5, 20, 5, 1, 0)_{37489}
\end{aligned}$$

$$\begin{aligned}
\ell_{4105} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{10} \\ 0 & 1 & 1 & \epsilon^{20} \end{bmatrix}_{16779969} = \begin{bmatrix} 1 & 0 & 0 & 63 \\ 0 & 1 & 1 & 44 \end{bmatrix}_{16779969} = \mathbf{Pl}(63, 5, 17, 5, 1, 0)_{37300} \\
\ell_{4106} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^4 \\ 0 & 1 & 1 & \epsilon^{14} \end{bmatrix}_{4264577} = \begin{bmatrix} 1 & 0 & 0 & 16 \\ 0 & 1 & 1 & 58 \end{bmatrix}_{4264577} = \mathbf{Pl}(63, 5, 30, 5, 1, 0)_{38119} \\
\ell_{4107} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{24} \\ 0 & 1 & 1 & \epsilon^{34} \end{bmatrix}_{11984257} = \begin{bmatrix} 1 & 0 & 0 & 45 \\ 0 & 1 & 1 & 9 \end{bmatrix}_{11984257} = \mathbf{Pl}(63, 5, 27, 5, 1, 0)_{37930} \\
\ell_{4108} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{60} \\ 0 & 1 & 1 & \epsilon^7 \end{bmatrix}_{3197889} = \begin{bmatrix} 1 & 0 & 0 & 12 \\ 0 & 1 & 1 & 35 \end{bmatrix}_{3197889} = \mathbf{Pl}(63, 5, 40, 5, 1, 0)_{38749} \\
\ell_{4109} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{29} \\ 0 & 1 & 1 & \epsilon^{39} \end{bmatrix}_{7190657} = \begin{bmatrix} 1 & 0 & 0 & 27 \\ 0 & 1 & 1 & 7 \end{bmatrix}_{7190657} = \mathbf{Pl}(63, 5, 45, 5, 1, 0)_{39064} \\
\ell_{4110} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^9 \\ 0 & 1 & 1 & \epsilon^{19} \end{bmatrix}_{12517697} = \begin{bmatrix} 1 & 0 & 0 & 47 \\ 0 & 1 & 1 & 22 \end{bmatrix}_{12517697} = \mathbf{Pl}(63, 5, 34, 5, 1, 0)_{38371} \\
\ell_{4111} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{45} \\ 0 & 1 & 1 & \epsilon^{55} \end{bmatrix}_{9854529} = \begin{bmatrix} 1 & 0 & 0 & 37 \\ 0 & 1 & 1 & 20 \end{bmatrix}_{9854529} = \mathbf{Pl}(63, 5, 39, 5, 1, 0)_{38686} \\
\ell_{4112} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^3 \\ 0 & 1 & 1 & \epsilon^{13} \end{bmatrix}_{2132289} = \begin{bmatrix} 1 & 0 & 0 & 8 \\ 0 & 1 & 1 & 29 \end{bmatrix}_{2132289} = \mathbf{Pl}(63, 5, 60, 5, 1, 0)_{40009} \\
\ell_{4113} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{32} \\ 0 & 1 & 1 & \epsilon^{42} \end{bmatrix}_{6927489} = \begin{bmatrix} 1 & 0 & 0 & 26 \\ 0 & 1 & 1 & 56 \end{bmatrix}_{6927489} = \mathbf{Pl}(63, 5, 57, 5, 1, 0)_{39820} \\
\ell_{4114} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{23} \\ 0 & 1 & 1 & \epsilon^{33} \end{bmatrix}_{10122881} = \begin{bmatrix} 1 & 0 & 0 & 38 \\ 0 & 1 & 1 & 52 \end{bmatrix}_{10122881} = \mathbf{Pl}(63, 5, 54, 5, 1, 0)_{39631} \\
\ell_{4115} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{15} \\ 0 & 1 & 1 & \epsilon^{25} \end{bmatrix}_{5596161} = \begin{bmatrix} 1 & 0 & 0 & 21 \\ 0 & 1 & 1 & 59 \end{bmatrix}_{5596161} = \mathbf{Pl}(63, 5, 51, 5, 1, 0)_{39442} \\
\ell_{4116} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{59} \\ 0 & 1 & 1 & \epsilon^6 \end{bmatrix}_{1599937} = \begin{bmatrix} 1 & 0 & 0 & 6 \\ 0 & 1 & 1 & 33 \end{bmatrix}_{1599937} = \mathbf{Pl}(63, 5, 49, 5, 1, 0)_{39316} \\
\ell_{4117} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{20} \\ 0 & 1 & 1 & \epsilon^{30} \end{bmatrix}_{11720833} = \begin{bmatrix} 1 & 0 & 0 & 44 \\ 0 & 1 & 1 & 54 \end{bmatrix}_{11720833} = \mathbf{Pl}(63, 5, 52, 5, 1, 0)_{39505} \\
\ell_{4118} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{28} \\ 0 & 1 & 1 & \epsilon^{38} \end{bmatrix}_{16247809} = \begin{bmatrix} 1 & 0 & 0 & 61 \\ 0 & 1 & 1 & 51 \end{bmatrix}_{16247809} = \mathbf{Pl}(63, 5, 59, 5, 1, 0)_{39946} \\
\ell_{4119} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{41} \\ 0 & 1 & 1 & \epsilon^{51} \end{bmatrix}_{7458113} = \begin{bmatrix} 1 & 0 & 0 & 28 \\ 0 & 1 & 1 & 25 \end{bmatrix}_{7458113} = \mathbf{Pl}(63, 5, 62, 5, 1, 0)_{40135} \\
\ell_{4120} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^8 \\ 0 & 1 & 1 & \epsilon^{18} \end{bmatrix}_{10386561} = \begin{bmatrix} 1 & 0 & 0 & 39 \\ 0 & 1 & 1 & 11 \end{bmatrix}_{10386561} = \mathbf{Pl}(63, 5, 37, 5, 1, 0)_{38560} \\
\ell_{4121} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{48} \\ 0 & 1 & 1 & \epsilon^{58} \end{bmatrix}_{3994753} = \begin{bmatrix} 1 & 0 & 0 & 15 \\ 0 & 1 & 1 & 3 \end{bmatrix}_{3994753} = \mathbf{Pl}(63, 5, 32, 5, 1, 0)_{38245} \\
\ell_{4122} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{44} \\ 0 & 1 & 1 & \epsilon^{54} \end{bmatrix}_{9054977} = \begin{bmatrix} 1 & 0 & 0 & 34 \\ 0 & 1 & 1 & 10 \end{bmatrix}_{9054977} = \mathbf{Pl}(63, 5, 47, 5, 1, 0)_{39190} \\
\ell_{4123} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{37} \\ 0 & 1 & 1 & \epsilon^{47} \end{bmatrix}_{10921985} = \begin{bmatrix} 1 & 0 & 0 & 41 \\ 0 & 1 & 1 & 55 \end{bmatrix}_{10921985} = \mathbf{Pl}(63, 5, 42, 5, 1, 0)_{38875} \\
\ell_{4124} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^2 \\ 0 & 1 & 1 & \epsilon^{12} \end{bmatrix}_{1069185} = \begin{bmatrix} 1 & 0 & 0 & 4 \\ 0 & 1 & 1 & 62 \end{bmatrix}_{1069185} = \mathbf{Pl}(63, 5, 25, 5, 1, 0)_{37804} \\
\ell_{4125} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{12} \\ 0 & 1 & 1 & \epsilon^{22} \end{bmatrix}_{16512065} = \begin{bmatrix} 1 & 0 & 0 & 62 \\ 0 & 1 & 1 & 19 \end{bmatrix}_{16512065} = \mathbf{Pl}(63, 5, 28, 5, 1, 0)_{37993}
\end{aligned}$$

$$\begin{aligned}
\ell_{4126} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{31} \\ 0 & 1 & 1 & \epsilon^{41} \end{bmatrix}_{3463745} = \begin{bmatrix} 1 & 0 & 0 & 13 \\ 0 & 1 & 1 & 28 \end{bmatrix}_{3463745} = \mathbf{Pl}(63, 5, 19, 5, 1, 0)_{37426} \\
\ell_{4127} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{34} \\ 0 & 1 & 1 & \epsilon^{44} \end{bmatrix}_{2398913} = \begin{bmatrix} 1 & 0 & 0 & 9 \\ 0 & 1 & 1 & 34 \end{bmatrix}_{2398913} = \mathbf{Pl}(63, 5, 22, 5, 1, 0)_{37615} \\
\ell_{4128} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{22} \\ 0 & 1 & 1 & \epsilon^{32} \end{bmatrix}_{5061441} = \begin{bmatrix} 1 & 0 & 0 & 19 \\ 0 & 1 & 1 & 26 \end{bmatrix}_{5061441} = \mathbf{Pl}(63, 5, 13, 5, 1, 0)_{37048} \\
\ell_{4129} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{50} \\ 0 & 1 & 1 & \epsilon^{60} \end{bmatrix}_{15979009} = \begin{bmatrix} 1 & 0 & 0 & 60 \\ 0 & 1 & 1 & 12 \end{bmatrix}_{15979009} = \mathbf{Pl}(63, 5, 8, 5, 1, 0)_{36733} \\
\ell_{4130} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{14} \\ 0 & 1 & 1 & \epsilon^{24} \end{bmatrix}_{15448513} = \begin{bmatrix} 1 & 0 & 0 & 58 \\ 0 & 1 & 1 & 45 \end{bmatrix}_{15448513} = \mathbf{Pl}(63, 5, 7, 5, 1, 0)_{36670} \\
\ell_{4131} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{52} \\ 0 & 1 & 1 & \epsilon^{62} \end{bmatrix}_{13318273} = \begin{bmatrix} 1 & 0 & 0 & 50 \\ 0 & 1 & 1 & 48 \end{bmatrix}_{13318273} = \mathbf{Pl}(63, 5, 2, 5, 1, 0)_{36355} \\
\ell_{4132} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{58} \\ 0 & 1 & 1 & \epsilon^5 \end{bmatrix}_{800961} = \begin{bmatrix} 1 & 0 & 0 & 3 \\ 0 & 1 & 1 & 32 \end{bmatrix}_{800961} = \mathbf{Pl}(63, 5, 3, 5, 1, 0)_{36418} \\
\ell_{4133} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{57} \\ 0 & 1 & 1 & \epsilon^4 \end{bmatrix}_{13049921} = \begin{bmatrix} 1 & 0 & 0 & 49 \\ 0 & 1 & 1 & 16 \end{bmatrix}_{13049921} = \mathbf{Pl}(63, 5, 6, 5, 1, 0)_{36607} \\
\ell_{4134} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{19} \\ 0 & 1 & 1 & \epsilon^{29} \end{bmatrix}_{5860417} = \begin{bmatrix} 1 & 0 & 0 & 22 \\ 0 & 1 & 1 & 27 \end{bmatrix}_{5860417} = \mathbf{Pl}(63, 5, 9, 5, 1, 0)_{36796} \\
\ell_{4135} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{56} \\ 0 & 1 & 1 & \epsilon^3 \end{bmatrix}_{10652673} = \begin{bmatrix} 1 & 0 & 0 & 40 \\ 0 & 1 & 1 & 8 \end{bmatrix}_{10652673} = \mathbf{Pl}(63, 5, 12, 5, 1, 0)_{36985} \\
\ell_{4136} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{27} \\ 0 & 1 & 1 & \epsilon^{37} \end{bmatrix}_{12252609} = \begin{bmatrix} 1 & 0 & 0 & 46 \\ 0 & 1 & 1 & 41 \end{bmatrix}_{12252609} = \mathbf{Pl}(63, 5, 23, 5, 1, 0)_{37678} \\
\ell_{4137} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{18} \\ 0 & 1 & 1 & \epsilon^{28} \end{bmatrix}_{2933249} = \begin{bmatrix} 1 & 0 & 0 & 11 \\ 0 & 1 & 1 & 61 \end{bmatrix}_{2933249} = \mathbf{Pl}(63, 5, 18, 5, 1, 0)_{37363} \\
\ell_{4138} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{40} \\ 0 & 1 & 1 & \epsilon^{50} \end{bmatrix}_{3732097} = \begin{bmatrix} 1 & 0 & 0 & 14 \\ 0 & 1 & 1 & 60 \end{bmatrix}_{3732097} = \mathbf{Pl}(63, 5, 29, 5, 1, 0)_{38056} \\
\ell_{4139} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{55} \\ 0 & 1 & 1 & \epsilon^2 \end{bmatrix}_{5326337} = \begin{bmatrix} 1 & 0 & 0 & 20 \\ 0 & 1 & 1 & 4 \end{bmatrix}_{5326337} = \mathbf{Pl}(63, 5, 24, 5, 1, 0)_{37741} \\
\ell_{4140} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^7 \\ 0 & 1 & 1 & \epsilon^{17} \end{bmatrix}_{9324033} = \begin{bmatrix} 1 & 0 & 0 & 35 \\ 0 & 1 & 1 & 53 \end{bmatrix}_{9324033} = \mathbf{Pl}(63, 5, 43, 5, 1, 0)_{38938} \\
\ell_{4141} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{26} \\ 0 & 1 & 1 & \epsilon^{36} \end{bmatrix}_{6127297} = \begin{bmatrix} 1 & 0 & 0 & 23 \\ 0 & 1 & 1 & 36 \end{bmatrix}_{6127297} = \mathbf{Pl}(63, 5, 46, 5, 1, 0)_{39127} \\
\ell_{4142} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{47} \\ 0 & 1 & 1 & \epsilon^{57} \end{bmatrix}_{14649857} = \begin{bmatrix} 1 & 0 & 0 & 55 \\ 0 & 1 & 1 & 49 \end{bmatrix}_{14649857} = \mathbf{Pl}(63, 5, 33, 5, 1, 0)_{38308} \\
\ell_{4143} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{17} \\ 0 & 1 & 1 & \epsilon^{27} \end{bmatrix}_{14117057} = \begin{bmatrix} 1 & 0 & 0 & 53 \\ 0 & 1 & 1 & 46 \end{bmatrix}_{14117057} = \mathbf{Pl}(63, 5, 36, 5, 1, 0)_{38497} \\
\ell_{4144} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{43} \\ 0 & 1 & 1 & \epsilon^{53} \end{bmatrix}_{4527489} = \begin{bmatrix} 1 & 0 & 0 & 17 \\ 0 & 1 & 1 & 5 \end{bmatrix}_{4527489} = \mathbf{Pl}(63, 5, 63, 5, 1, 0)_{40198} \\
\ell_{4145} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{39} \\ 0 & 1 & 1 & \epsilon^{49} \end{bmatrix}_{1866049} = \begin{bmatrix} 1 & 0 & 0 & 7 \\ 0 & 1 & 1 & 30 \end{bmatrix}_{1866049} = \mathbf{Pl}(63, 5, 58, 5, 1, 0)_{39883} \\
\ell_{4146} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{36} \\ 0 & 1 & 1 & \epsilon^{46} \end{bmatrix}_{9589697} = \begin{bmatrix} 1 & 0 & 0 & 36 \\ 0 & 1 & 1 & 43 \end{bmatrix}_{9589697} = \mathbf{Pl}(63, 5, 53, 5, 1, 0)_{39568}
\end{aligned}$$

$$\begin{aligned}
\ell_{4147} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{54} \\ 0 & 1 & 1 & \epsilon \end{bmatrix}_{2663169} = \begin{bmatrix} 1 & 0 & 0 & 10 \\ 0 & 1 & 1 & 2 \end{bmatrix}_{2663169} = \mathbf{Pl}(63, 5, 48, 5, 1, 0)_{39253} \\
\ell_{4148} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon \\ 0 & 1 & 1 & \epsilon^{11} \end{bmatrix}_{534593} = \begin{bmatrix} 1 & 0 & 0 & 2 \\ 0 & 1 & 1 & 31 \end{bmatrix}_{534593} = \mathbf{Pl}(63, 5, 50, 5, 1, 0)_{39379} \\
\ell_{4149} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^6 \\ 0 & 1 & 1 & \epsilon^{16} \end{bmatrix}_{8790721} = \begin{bmatrix} 1 & 0 & 0 & 33 \\ 0 & 1 & 1 & 42 \end{bmatrix}_{8790721} = \mathbf{Pl}(63, 5, 55, 5, 1, 0)_{39694} \\
\ell_{4150} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{11} \\ 0 & 1 & 1 & \epsilon^{21} \end{bmatrix}_{8259073} = \begin{bmatrix} 1 & 0 & 0 & 31 \\ 0 & 1 & 1 & 57 \end{bmatrix}_{8259073} = \mathbf{Pl}(63, 5, 56, 5, 1, 0)_{39757} \\
\ell_{4151} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{25} \\ 0 & 1 & 1 & \epsilon^{35} \end{bmatrix}_{15713089} = \begin{bmatrix} 1 & 0 & 0 & 59 \\ 0 & 1 & 1 & 18 \end{bmatrix}_{15713089} = \mathbf{Pl}(63, 5, 61, 5, 1, 0)_{40072} \\
\ell_{4152} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{30} \\ 0 & 1 & 1 & \epsilon^{40} \end{bmatrix}_{14381313} = \begin{bmatrix} 1 & 0 & 0 & 54 \\ 0 & 1 & 1 & 14 \end{bmatrix}_{14381313} = \mathbf{Pl}(63, 5, 38, 5, 1, 0)_{38623} \\
\ell_{4153} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{46} \\ 0 & 1 & 1 & \epsilon^{56} \end{bmatrix}_{11453633} = \begin{bmatrix} 1 & 0 & 0 & 43 \\ 0 & 1 & 1 & 40 \end{bmatrix}_{11453633} = \mathbf{Pl}(63, 5, 35, 5, 1, 0)_{38434} \\
\ell_{4154} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{33} \\ 0 & 1 & 1 & \epsilon^{43} \end{bmatrix}_{13848897} = \begin{bmatrix} 1 & 0 & 0 & 52 \\ 0 & 1 & 1 & 17 \end{bmatrix}_{13848897} = \mathbf{Pl}(63, 5, 44, 5, 1, 0)_{39001} \\
\ell_{4155} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{16} \\ 0 & 1 & 1 & \epsilon^{26} \end{bmatrix}_{11186241} = \begin{bmatrix} 1 & 0 & 0 & 42 \\ 0 & 1 & 1 & 23 \end{bmatrix}_{11186241} = \mathbf{Pl}(63, 5, 41, 5, 1, 0)_{38812} \\
\ell_{4156} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{21} \\ 0 & 1 & 1 & \epsilon^{31} \end{bmatrix}_{15180161} = \begin{bmatrix} 1 & 0 & 0 & 57 \\ 0 & 1 & 1 & 13 \end{bmatrix}_{15180161} = \mathbf{Pl}(63, 5, 26, 5, 1, 0)_{37867} \\
\ell_{4157} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{42} \\ 0 & 1 & 1 & \epsilon^{52} \end{bmatrix}_{14916225} = \begin{bmatrix} 1 & 0 & 0 & 56 \\ 0 & 1 & 1 & 50 \end{bmatrix}_{14916225} = \mathbf{Pl}(63, 5, 31, 5, 1, 0)_{38182} \\
\ell_{4158} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{49} \\ 0 & 1 & 1 & \epsilon^{59} \end{bmatrix}_{7989505} = \begin{bmatrix} 1 & 0 & 0 & 30 \\ 0 & 1 & 1 & 6 \end{bmatrix}_{7989505} = \mathbf{Pl}(63, 5, 16, 5, 1, 0)_{37237} \\
\ell_{4159} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{38} \\ 0 & 1 & 1 & \epsilon^{48} \end{bmatrix}_{13582465} = \begin{bmatrix} 1 & 0 & 0 & 51 \\ 0 & 1 & 1 & 15 \end{bmatrix}_{13582465} = \mathbf{Pl}(63, 5, 21, 5, 1, 0)_{37552} \\
\ell_{4160} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{13} \\ 0 & 1 & 1 & \epsilon^{23} \end{bmatrix}_{7725249} = \begin{bmatrix} 1 & 0 & 0 & 29 \\ 0 & 1 & 1 & 38 \end{bmatrix}_{7725249} = \mathbf{Pl}(63, 5, 14, 5, 1, 0)_{37111} \\
\ell_{4161} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{35} \\ 0 & 1 & 1 & \epsilon^{45} \end{bmatrix}_{4795841} = \begin{bmatrix} 1 & 0 & 0 & 18 \\ 0 & 1 & 1 & 37 \end{bmatrix}_{4795841} = \mathbf{Pl}(63, 5, 11, 5, 1, 0)_{36922} \\
\ell_{4162} &= \begin{bmatrix} 1 & 0 & 0 & \epsilon^{53} \\ 0 & 1 & 1 & 1 \end{bmatrix}_{1331585} = \begin{bmatrix} 1 & 0 & 0 & 5 \\ 0 & 1 & 1 & 1 \end{bmatrix}_{1331585} = \mathbf{Pl}(63, 5, 1, 5, 1, 0)_{36292} \\
\ell_{4163} &= \begin{bmatrix} 1 & \epsilon^{13} & \epsilon^{12} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{16635677} = \begin{bmatrix} 1 & 29 & 62 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{16635677} = \mathbf{Pl}(0, 62, 0, 29, 1, 0)_{16034} \\
\ell_{4164} &= \begin{bmatrix} 1 & \epsilon^7 & \epsilon^{12} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{16660643} = \begin{bmatrix} 1 & 35 & 62 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{16660643} = \mathbf{Pl}(0, 62, 0, 35, 1, 0)_{16796} \\
\ell_{4165} &= \begin{bmatrix} 1 & \epsilon^{26} & \epsilon^{24} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12083543} = \begin{bmatrix} 1 & 23 & 45 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12083543} = \mathbf{Pl}(0, 45, 0, 23, 1, 0)_{15255} \\
\ell_{4166} &= \begin{bmatrix} 1 & \epsilon^{14} & \epsilon^{24} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12229178} = \begin{bmatrix} 1 & 58 & 45 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12229178} = \mathbf{Pl}(0, 45, 0, 58, 1, 0)_{19700} \\
\ell_{4167} &= \begin{bmatrix} 1 & \epsilon^{48} & \epsilon^{52} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{13381775} = \begin{bmatrix} 1 & 15 & 50 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{13381775} = \mathbf{Pl}(0, 50, 0, 15, 1, 0)_{14244}
\end{aligned}$$

$$\begin{aligned}
\ell_{4168} &= \begin{bmatrix} 1 & \epsilon^{28} & \epsilon^{52} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{13573181} = \begin{bmatrix} 1 & 61 & 50 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{13573181} = \mathbf{Pl}(0, 50, 0, 61, 1, 0)_{20086} \\
\ell_{4169} &= \begin{bmatrix} 1 & \epsilon^{38} & \epsilon^{35} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{5009843} = \begin{bmatrix} 1 & 51 & 18 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{5009843} = \mathbf{Pl}(0, 18, 0, 51, 1, 0)_{18784} \\
\ell_{4170} &= \begin{bmatrix} 1 & \epsilon^6 & \epsilon^{35} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4934945} = \begin{bmatrix} 1 & 33 & 18 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4934945} = \mathbf{Pl}(0, 18, 0, 33, 1, 0)_{16498} \\
\ell_{4171} &= \begin{bmatrix} 1 & \epsilon^9 & \epsilon^{18} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{3129071} = \begin{bmatrix} 1 & 47 & 11 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{3129071} = \mathbf{Pl}(0, 11, 0, 47, 1, 0)_{18269} \\
\ell_{4172} &= \begin{bmatrix} 1 & \epsilon^{36} & \epsilon^{18} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{3083300} = \begin{bmatrix} 1 & 36 & 11 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{3083300} = \mathbf{Pl}(0, 11, 0, 36, 1, 0)_{16872} \\
\ell_{4173} &= \begin{bmatrix} 1 & \epsilon^{35} & \epsilon^{38} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{13660562} = \begin{bmatrix} 1 & 18 & 51 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{13660562} = \mathbf{Pl}(0, 51, 0, 18, 1, 0)_{14626} \\
\ell_{4174} &= \begin{bmatrix} 1 & \epsilon^6 & \epsilon^{38} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{13722977} = \begin{bmatrix} 1 & 33 & 51 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{13722977} = \mathbf{Pl}(0, 51, 0, 33, 1, 0)_{16531} \\
\ell_{4175} &= \begin{bmatrix} 1 & \epsilon^{33} & \epsilon^{56} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10872692} = \begin{bmatrix} 1 & 52 & 40 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10872692} = \mathbf{Pl}(0, 40, 0, 52, 1, 0)_{18933} \\
\ell_{4176} &= \begin{bmatrix} 1 & \epsilon^{41} & \epsilon^{56} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10772828} = \begin{bmatrix} 1 & 28 & 40 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10772828} = \mathbf{Pl}(0, 40, 0, 28, 1, 0)_{15885} \\
\ell_{4177} &= \begin{bmatrix} 1 & \epsilon^{52} & \epsilon^{48} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4206770} = \begin{bmatrix} 1 & 50 & 15 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4206770} = \mathbf{Pl}(0, 15, 0, 50, 1, 0)_{18654} \\
\ell_{4178} &= \begin{bmatrix} 1 & \epsilon^{28} & \epsilon^{48} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4252541} = \begin{bmatrix} 1 & 61 & 15 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4252541} = \mathbf{Pl}(0, 15, 0, 61, 1, 0)_{20051} \\
\ell_{4179} &= \begin{bmatrix} 1 & \epsilon^4 & \epsilon^{32} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{6994640} = \begin{bmatrix} 1 & 16 & 26 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{6994640} = \mathbf{Pl}(0, 26, 0, 16, 1, 0)_{14347} \\
\ell_{4180} &= \begin{bmatrix} 1 & \epsilon^{54} & \epsilon^{32} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{6969674} = \begin{bmatrix} 1 & 10 & 26 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{6969674} = \mathbf{Pl}(0, 26, 0, 10, 1, 0)_{13585} \\
\ell_{4181} &= \begin{bmatrix} 1 & \epsilon^{33} & \epsilon^{41} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7677044} = \begin{bmatrix} 1 & 52 & 28 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7677044} = \mathbf{Pl}(0, 28, 0, 52, 1, 0)_{18921} \\
\ell_{4182} &= \begin{bmatrix} 1 & \epsilon^{56} & \epsilon^{41} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7627112} = \begin{bmatrix} 1 & 40 & 28 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7627112} = \mathbf{Pl}(0, 28, 0, 40, 1, 0)_{17397} \\
\ell_{4183} &= \begin{bmatrix} 1 & \epsilon & \epsilon^{45} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9865730} = \begin{bmatrix} 1 & 2 & 37 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9865730} = \mathbf{Pl}(0, 37, 0, 2, 1, 0)_{12580} \\
\ell_{4184} &= \begin{bmatrix} 1 & \epsilon^8 & \epsilon^{45} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10019687} = \begin{bmatrix} 1 & 39 & 37 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10019687} = \mathbf{Pl}(0, 37, 0, 39, 1, 0)_{17279} \\
\ell_{4185} &= \begin{bmatrix} 1 & \epsilon^{24} & \epsilon^{26} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{6316397} = \begin{bmatrix} 1 & 45 & 23 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{6316397} = \mathbf{Pl}(0, 23, 0, 45, 1, 0)_{18027} \\
\ell_{4186} &= \begin{bmatrix} 1 & \epsilon^{14} & \epsilon^{26} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{6370490} = \begin{bmatrix} 1 & 58 & 23 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{6370490} = \mathbf{Pl}(0, 23, 0, 58, 1, 0)_{19678} \\
\ell_{4187} &= \begin{bmatrix} 1 & \epsilon^{38} & \epsilon^6 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9004403} = \begin{bmatrix} 1 & 51 & 33 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9004403} = \mathbf{Pl}(0, 33, 0, 51, 1, 0)_{18799} \\
\ell_{4188} &= \begin{bmatrix} 1 & \epsilon^{35} & \epsilon^6 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8867090} = \begin{bmatrix} 1 & 18 & 33 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8867090} = \mathbf{Pl}(0, 33, 0, 18, 1, 0)_{14608}
\end{aligned}$$

$$\begin{aligned}
\ell_{4189} &= \begin{bmatrix} 1 & \epsilon^{32} & \epsilon^{54} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2775386} = \begin{bmatrix} 1 & 26 & 10 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2775386} = \mathbf{Pl}(0, 10, 0, 26, 1, 0)_{15601} \\
\ell_{4190} &= \begin{bmatrix} 1 & \epsilon^4 & \epsilon^{54} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2733776} = \begin{bmatrix} 1 & 16 & 10 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2733776} = \mathbf{Pl}(0, 10, 0, 16, 1, 0)_{14331} \\
\ell_{4191} &= \begin{bmatrix} 1 & \epsilon^2 & \epsilon^{16} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{11205572} = \begin{bmatrix} 1 & 4 & 42 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{11205572} = \mathbf{Pl}(0, 42, 0, 4, 1, 0)_{12839} \\
\ell_{4192} &= \begin{bmatrix} 1 & \epsilon^{27} & \epsilon^{16} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{11380334} = \begin{bmatrix} 1 & 46 & 42 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{11380334} = \mathbf{Pl}(0, 42, 0, 46, 1, 0)_{18173} \\
\ell_{4193} &= \begin{bmatrix} 1 & \epsilon^{12} & \epsilon^7 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9582782} = \begin{bmatrix} 1 & 62 & 35 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9582782} = \mathbf{Pl}(0, 35, 0, 62, 1, 0)_{20198} \\
\ell_{4194} &= \begin{bmatrix} 1 & \epsilon^{13} & \epsilon^7 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9445469} = \begin{bmatrix} 1 & 29 & 35 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9445469} = \mathbf{Pl}(0, 35, 0, 29, 1, 0)_{16007} \\
\ell_{4195} &= \begin{bmatrix} 1 & \epsilon^{45} & \epsilon & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{690725} = \begin{bmatrix} 1 & 37 & 2 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{690725} = \mathbf{Pl}(0, 2, 0, 37, 1, 0)_{16990} \\
\ell_{4196} &= \begin{bmatrix} 1 & \epsilon^8 & \epsilon & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{699047} = \begin{bmatrix} 1 & 39 & 2 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{699047} = \mathbf{Pl}(0, 2, 0, 39, 1, 0)_{17244} \\
\ell_{4197} &= \begin{bmatrix} 1 & \epsilon^9 & \epsilon^{36} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9786671} = \begin{bmatrix} 1 & 47 & 36 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9786671} = \mathbf{Pl}(0, 36, 0, 47, 1, 0)_{18294} \\
\ell_{4198} &= \begin{bmatrix} 1 & \epsilon^{18} & \epsilon^{36} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9636875} = \begin{bmatrix} 1 & 11 & 36 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{9636875} = \mathbf{Pl}(0, 36, 0, 11, 1, 0)_{13722} \\
\ell_{4199} &= \begin{bmatrix} 1 & \epsilon^{56} & \epsilon^{33} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{14018408} = \begin{bmatrix} 1 & 40 & 52 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{14018408} = \mathbf{Pl}(0, 52, 0, 40, 1, 0)_{17421} \\
\ell_{4200} &= \begin{bmatrix} 1 & \epsilon^{41} & \epsilon^{33} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{13968476} = \begin{bmatrix} 1 & 28 & 52 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{13968476} = \mathbf{Pl}(0, 52, 0, 28, 1, 0)_{15897} \\
\ell_{4201} &= \begin{bmatrix} 1 & \epsilon & \epsilon^8 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10398338} = \begin{bmatrix} 1 & 2 & 39 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10398338} = \mathbf{Pl}(0, 39, 0, 2, 1, 0)_{12582} \\
\ell_{4202} &= \begin{bmatrix} 1 & \epsilon^{45} & \epsilon^8 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10543973} = \begin{bmatrix} 1 & 37 & 39 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{10543973} = \mathbf{Pl}(0, 39, 0, 37, 1, 0)_{17027} \\
\ell_{4203} &= \begin{bmatrix} 1 & \epsilon^{19} & \epsilon^3 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2226134} = \begin{bmatrix} 1 & 22 & 8 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2226134} = \mathbf{Pl}(0, 8, 0, 22, 1, 0)_{15091} \\
\ell_{4204} &= \begin{bmatrix} 1 & \epsilon^{49} & \epsilon^3 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2259422} = \begin{bmatrix} 1 & 30 & 8 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{2259422} = \mathbf{Pl}(0, 8, 0, 30, 1, 0)_{16107} \\
\ell_{4205} &= \begin{bmatrix} 1 & \epsilon^{48} & \epsilon^{28} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{16311119} = \begin{bmatrix} 1 & 15 & 61 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{16311119} = \mathbf{Pl}(0, 61, 0, 15, 1, 0)_{14255} \\
\ell_{4206} &= \begin{bmatrix} 1 & \epsilon^{52} & \epsilon^{28} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{16456754} = \begin{bmatrix} 1 & 50 & 61 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{16456754} = \mathbf{Pl}(0, 61, 0, 50, 1, 0)_{18700} \\
\ell_{4207} &= \begin{bmatrix} 1 & \epsilon^{36} & \epsilon^9 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12670244} = \begin{bmatrix} 1 & 36 & 47 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12670244} = \mathbf{Pl}(0, 47, 0, 36, 1, 0)_{16908} \\
\ell_{4208} &= \begin{bmatrix} 1 & \epsilon^{18} & \epsilon^9 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12566219} = \begin{bmatrix} 1 & 11 & 47 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12566219} = \mathbf{Pl}(0, 47, 0, 11, 1, 0)_{13733} \\
\ell_{4209} &= \begin{bmatrix} 1 & \epsilon^{12} & \epsilon^{13} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7984958} = \begin{bmatrix} 1 & 62 & 29 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7984958} = \mathbf{Pl}(0, 29, 0, 62, 1, 0)_{20192}
\end{aligned}$$

$$\begin{aligned}
\ell_{4210} &= \begin{bmatrix} 1 & \epsilon^7 & \epsilon^{13} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7872611} = \begin{bmatrix} 1 & 35 & 29 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{7872611} = \mathbf{Pl}(0, 29, 0, 35, 1, 0)_{16763} \\
\ell_{4211} &= \begin{bmatrix} 1 & \epsilon^{16} & \epsilon^{27} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12428906} = \begin{bmatrix} 1 & 42 & 46 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12428906} = \mathbf{Pl}(0, 46, 0, 42, 1, 0)_{17669} \\
\ell_{4212} &= \begin{bmatrix} 1 & \epsilon^2 & \epsilon^{27} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12270788} = \begin{bmatrix} 1 & 4 & 46 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{12270788} = \mathbf{Pl}(0, 46, 0, 4, 1, 0)_{12843} \\
\ell_{4213} &= \begin{bmatrix} 1 & \epsilon^{19} & \epsilon^{49} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8084822} = \begin{bmatrix} 1 & 22 & 30 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8084822} = \mathbf{Pl}(0, 30, 0, 22, 1, 0)_{15113} \\
\ell_{4214} &= \begin{bmatrix} 1 & \epsilon^3 & \epsilon^{49} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8026568} = \begin{bmatrix} 1 & 8 & 30 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{8026568} = \mathbf{Pl}(0, 30, 0, 8, 1, 0)_{13335} \\
\ell_{4215} &= \begin{bmatrix} 1 & \epsilon^{49} & \epsilon^{19} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{5987678} = \begin{bmatrix} 1 & 30 & 22 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{5987678} = \mathbf{Pl}(0, 22, 0, 30, 1, 0)_{16121} \\
\ell_{4216} &= \begin{bmatrix} 1 & \epsilon^3 & \epsilon^{19} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{5896136} = \begin{bmatrix} 1 & 8 & 22 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{5896136} = \mathbf{Pl}(0, 22, 0, 8, 1, 0)_{13327} \\
\ell_{4217} &= \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_{4218} &= \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_{4219} &= \begin{bmatrix} 1 & \epsilon^{16} & \epsilon^2 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1244138} = \begin{bmatrix} 1 & 42 & 4 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1244138} = \mathbf{Pl}(0, 4, 0, 42, 1, 0)_{17627} \\
\ell_{4220} &= \begin{bmatrix} 1 & \epsilon^{27} & \epsilon^2 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1260782} = \begin{bmatrix} 1 & 46 & 4 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{1260782} = \mathbf{Pl}(0, 4, 0, 46, 1, 0)_{18135} \\
\ell_{4221} &= \begin{bmatrix} 1 & \epsilon^{54} & \epsilon^4 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4306634} = \begin{bmatrix} 1 & 10 & 16 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4306634} = \mathbf{Pl}(0, 16, 0, 10, 1, 0)_{13575} \\
\ell_{4222} &= \begin{bmatrix} 1 & \epsilon^{32} & \epsilon^4 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4373210} = \begin{bmatrix} 1 & 26 & 16 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{4373210} = \mathbf{Pl}(0, 16, 0, 26, 1, 0)_{15607} \\
\ell_{4223} &= \begin{bmatrix} 1 & \epsilon^{26} & \epsilon^{14} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15545495} = \begin{bmatrix} 1 & 23 & 58 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15545495} = \mathbf{Pl}(0, 58, 0, 23, 1, 0)_{15268} \\
\ell_{4224} &= \begin{bmatrix} 1 & \epsilon^{24} & \epsilon^{14} & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15637037} = \begin{bmatrix} 1 & 45 & 58 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}_{15637037} = \mathbf{Pl}(0, 58, 0, 45, 1, 0)_{18062}
\end{aligned}$$

Rank of lines: (1, 4160, 65, 3073, 2049, 1537, 4033, 1025, 2881, 769, 1729, 3009, 2369, 513, 1665, 2433, 1345, 385, 2817, 3905, 1793, 2497, 961, 2177, 2625, 257, 3969, 833, 577, 1217, 3841, 3713, 3201, 193, 3137, 1409, 2561, 2945, 705, 897, 1281, 2241, 1473, 3521, 3393, 1089, 449, 2305, 641, 129, ...4373210, 15545495, 15637037)

Rank of points on Klein quadric: (3, 4225, 4353, 4481, 4609, 4737, 4865, 4993, 5121, 5249, 5377, 5505, 5633, 5761, 5889, 6017, 6145, 6273, 6401, 6529, 6657, 6785, 6913, 7041, 7169, 7297, 7425, 7553, 7681, 7809, 7937, 8065, 8193, 8321, 8449, 8577, 8705, 8833, 8961, 9089, 9217, 9345, 9473, 9601, 9729, 9857, 9985, 10113, 10241, 10369, ...15607, 15268, 18062)

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 4096 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

Too many lines to print.
Neighbor sets in the line intersection graph:
Too many lines to print.
The surface has 8257 points:
Too many to print.