Cheat Sheet PG(3, 16)

January 16, 2021

The projective space PG(3, 16)

q = 16p = 2

e = 4

n = 3

Number of points = 4369

Number of lines = 70161

Number of lines on a point = 273

Number of points on a line = 17

The points of PG(3, 16)

PG(3, 16) has 4369 points:

$$P_{17} = (13, 1, 0, 0) = (\alpha^{11}, 1, 0, 0)$$

$$P_{18} = (14, 1, 0, 0) = (\alpha^{8}, 1, 0, 0)$$

$$P_{19} = (15, 1, 0, 0) = (\alpha^{6}, 1, 0, 0)$$

$$P_{20} = (1, 0, 1, 0) = (1, 0, 1, 0)$$

$$P_{21} = (2, 0, 1, 0) = (\alpha, 0, 1, 0)$$

$$P_{22} = (3, 0, 1, 0) = (\alpha^{12}, 0, 1, 0)$$

$$P_{23} = (4, 0, 1, 0) = (\alpha^{2}, 0, 1, 0)$$

$$P_{24} = (5, 0, 1, 0) = (\alpha^{9}, 0, 1, 0)$$

$$P_{25} = (6, 0, 1, 0) = (\alpha^{13}, 0, 1, 0)$$

$$P_{26} = (7, 0, 1, 0) = (\alpha^{7}, 0, 1, 0)$$

$$P_{27} = (8, 0, 1, 0) = (\alpha^{3}, 0, 1, 0)$$

$$P_{28} = (9, 0, 1, 0) = (\alpha^{4}, 0, 1, 0)$$

$$P_{29} = (10, 0, 1, 0) = (\alpha^{4}, 0, 1, 0)$$

$$P_{30} = (11, 0, 1, 0) = (\alpha^{5}, 0, 1, 0)$$

$$P_{31} = (12, 0, 1, 0) = (\alpha^{14}, 0, 1, 0)$$

$$P_{32} = (13, 0, 1, 0) = (\alpha^{8}, 0, 1, 0)$$

$$P_{33} = (14, 0, 1, 0) = (\alpha^{8}, 0, 1, 0)$$

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P_{79} = (12, 3, 1, 0) = (\alpha^{14}, \alpha^{12}, 1, 0)
P_{34} = (15, 0, 1, 0) = (\alpha^6, 0, 1, 0)
                                                                           P_{80} = (13, 3, 1, 0) = (\alpha^{11}, \alpha^{12}, 1, 0)
P_{35} = (0, 1, 1, 0) = (0, 1, 1, 0)
P_{36} = (1, 1, 1, 0) = (1, 1, 1, 0)
                                                                           P_{81} = (14, 3, 1, 0) = (\alpha^8, \alpha^{12}, 1, 0)
P_{37} = (2, 1, 1, 0) = (\alpha, 1, 1, 0)
                                                                           P_{82} = (15, 3, 1, 0) = (\alpha^6, \alpha^{12}, 1, 0)
P_{38} = (3, 1, 1, 0) = (\alpha^{12}, 1, 1, 0)
                                                                           P_{83} = (0, 4, 1, 0) = (0, \alpha^2, 1, 0)
P_{39} = (4, 1, 1, 0) = (\alpha^2, 1, 1, 0)
                                                                           P_{84} = (1, 4, 1, 0) = (1, \alpha^2, 1, 0)
P_{40} = (5, 1, 1, 0) = (\alpha^9, 1, 1, 0)
                                                                           P_{85} = (2, 4, 1, 0) = (\alpha, \alpha^2, 1, 0)
P_{41} = (6, 1, 1, 0) = (\alpha^{13}, 1, 1, 0)
                                                                           P_{86} = (3, 4, 1, 0) = (\alpha^{12}, \alpha^2, 1, 0)
                                                                           P_{87} = (4, 4, 1, 0) = (\alpha^2, \alpha^2, 1, 0)
P_{42} = (7, 1, 1, 0) = (\alpha^7, 1, 1, 0)
                                                                           P_{88} = (5, 4, 1, 0) = (\alpha^9, \alpha^2, 1, 0)
P_{43} = (8, 1, 1, 0) = (\alpha^3, 1, 1, 0)
                                                                           P_{89} = (6, 4, 1, 0) = (\alpha^{13}, \alpha^2, 1, 0)
P_{44} = (9, 1, 1, 0) = (\alpha^4, 1, 1, 0)
P_{45} = (10, 1, 1, 0) = (\alpha^{10}, 1, 1, 0)
                                                                           P_{90} = (7, 4, 1, 0) = (\alpha^7, \alpha^2, 1, 0)
P_{46} = (11, 1, 1, 0) = (\alpha^5, 1, 1, 0)
                                                                           P_{91} = (8, 4, 1, 0) = (\alpha^3, \alpha^2, 1, 0)
                                                                           P_{92} = (9, 4, 1, 0) = (\alpha^4, \alpha^2, 1, 0)
P_{47} = (12, 1, 1, 0) = (\alpha^{14}, 1, 1, 0)
                                                                           P_{93} = (10, 4, 1, 0) = (\alpha^{10}, \alpha^2, 1, 0)
P_{48} = (13, 1, 1, 0) = (\alpha^{11}, 1, 1, 0)
P_{49} = (14, 1, 1, 0) = (\alpha^8, 1, 1, 0)
                                                                           P_{94} = (11, 4, 1, 0) = (\alpha^5, \alpha^2, 1, 0)
                                                                           P_{95} = (12, 4, 1, 0) = (\alpha^{14}, \alpha^2, 1, 0)
P_{50} = (15, 1, 1, 0) = (\alpha^6, 1, 1, 0)
                                                                           P_{96} = (13, 4, 1, 0) = (\alpha^{11}, \alpha^2, 1, 0)
P_{51} = (0, 2, 1, 0) = (0, \alpha, 1, 0)
P_{52} = (1, 2, 1, 0) = (1, \alpha, 1, 0)
                                                                           P_{97} = (14, 4, 1, 0) = (\alpha^8, \alpha^2, 1, 0)
                                                                           P_{98} = (15, 4, 1, 0) = (\alpha^6, \alpha^2, 1, 0)
P_{53} = (2, 2, 1, 0) = (\alpha, \alpha, 1, 0)
P_{54} = (3, 2, 1, 0) = (\alpha^{12}, \alpha, 1, 0)
                                                                           P_{99} = (0, 5, 1, 0) = (0, \alpha^9, 1, 0)
P_{55} = (4, 2, 1, 0) = (\alpha^2, \alpha, 1, 0)
                                                                           P_{100} = (1, 5, 1, 0) = (1, \alpha^9, 1, 0)
                                                                           P_{101} = (2, 5, 1, 0) = (\alpha, \alpha^9, 1, 0)
P_{56} = (5, 2, 1, 0) = (\alpha^9, \alpha, 1, 0)
                                                                           P_{102} = (3, 5, 1, 0) = (\alpha^{12}, \alpha^9, 1, 0)
P_{57} = (6, 2, 1, 0) = (\alpha^{13}, \alpha, 1, 0)
                                                                           P_{103} = (4, 5, 1, 0) = (\alpha^2, \alpha^9, 1, 0)
P_{58} = (7, 2, 1, 0) = (\alpha^7, \alpha, 1, 0)
P_{59} = (8, 2, 1, 0) = (\alpha^3, \alpha, 1, 0)
                                                                           P_{104} = (5, 5, 1, 0) = (\alpha^9, \alpha^9, 1, 0)
                                                                           P_{105} = (6, 5, 1, 0) = (\alpha^{13}, \alpha^9, 1, 0)
P_{60} = (9, 2, 1, 0) = (\alpha^4, \alpha, 1, 0)
P_{61} = (10, 2, 1, 0) = (\alpha^{10}, \alpha, 1, 0)
                                                                           P_{106} = (7, 5, 1, 0) = (\alpha^7, \alpha^9, 1, 0)
P_{62} = (11, 2, 1, 0) = (\alpha^5, \alpha, 1, 0)
                                                                           P_{107} = (8, 5, 1, 0) = (\alpha^3, \alpha^9, 1, 0)
                                                                           P_{108} = (9, 5, 1, 0) = (\alpha^4, \alpha^9, 1, 0)
P_{63} = (12, 2, 1, 0) = (\alpha^{14}, \alpha, 1, 0)
                                                                           P_{109} = (10, 5, 1, 0) = (\alpha^{10}, \alpha^9, 1, 0)
P_{64} = (13, 2, 1, 0) = (\alpha^{11}, \alpha, 1, 0)
P_{65} = (14, 2, 1, 0) = (\alpha^8, \alpha, 1, 0)
                                                                           P_{110} = (11, 5, 1, 0) = (\alpha^5, \alpha^9, 1, 0)
P_{66} = (15, 2, 1, 0) = (\alpha^6, \alpha, 1, 0)
                                                                           P_{111} = (12, 5, 1, 0) = (\alpha^{14}, \alpha^{9}, 1, 0)
                                                                           P_{112} = (13, 5, 1, 0) = (\alpha^{11}, \alpha^9, 1, 0)
P_{67} = (0, 3, 1, 0) = (0, \alpha^{12}, 1, 0)
P_{68} = (1, 3, 1, 0) = (1, \alpha^{12}, 1, 0)
                                                                           P_{113} = (14, 5, 1, 0) = (\alpha^8, \alpha^9, 1, 0)
P_{69} = (2, 3, 1, 0) = (\alpha, \alpha^{12}, 1, 0)
                                                                           P_{114} = (15, 5, 1, 0) = (\alpha^6, \alpha^9, 1, 0)
P_{70} = (3, 3, 1, 0) = (\alpha^{12}, \alpha^{12}, 1, 0)
                                                                           P_{115} = (0, 6, 1, 0) = (0, \alpha^{13}, 1, 0)
                                                                           P_{116} = (1, 6, 1, 0) = (1, \alpha^{13}, 1, 0)
P_{71} = (4, 3, 1, 0) = (\alpha^2, \alpha^{12}, 1, 0)
P_{72} = (5, 3, 1, 0) = (\alpha^9, \alpha^{12}, 1, 0)
                                                                           P_{117} = (2, 6, 1, 0) = (\alpha, \alpha^{13}, 1, 0)
                                                                           P_{118} = (3, 6, 1, 0) = (\alpha^{12}, \alpha^{13}, 1, 0)
P_{73} = (6, 3, 1, 0) = (\alpha^{13}, \alpha^{12}, 1, 0)
P_{74} = (7, 3, 1, 0) = (\alpha^7, \alpha^{12}, 1, 0)
                                                                           P_{119} = (4, 6, 1, 0) = (\alpha^2, \alpha^{13}, 1, 0)
P_{75} = (8, 3, 1, 0) = (\alpha^3, \alpha^{12}, 1, 0)
                                                                           P_{120} = (5, 6, 1, 0) = (\alpha^9, \alpha^{13}, 1, 0)
P_{76} = (9, 3, 1, 0) = (\alpha^4, \alpha^{12}, 1, 0)
                                                                           P_{121} = (6, 6, 1, 0) = (\alpha^{13}, \alpha^{13}, 1, 0)
P_{77} = (10, 3, 1, 0) = (\alpha^{10}, \alpha^{12}, 1, 0)
                                                                           P_{122} = (7, 6, 1, 0) = (\alpha^7, \alpha^{13}, 1, 0)
                                                                           P_{123} = (8, 6, 1, 0) = (\alpha^3, \alpha^{13}, 1, 0)
P_{78} = (11, 3, 1, 0) = (\alpha^5, \alpha^{12}, 1, 0)
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P_{124} = (9, 6, 1, 0) = (\alpha^4, \alpha^{13}, 1, 0)
                                                                            P_{169} = (6, 9, 1, 0) = (\alpha^{13}, \alpha^4, 1, 0)
P_{125} = (10, 6, 1, 0) = (\alpha^{10}, \alpha^{13}, 1, 0)
                                                                            P_{170} = (7, 9, 1, 0) = (\alpha^7, \alpha^4, 1, 0)
P_{126} = (11, 6, 1, 0) = (\alpha^5, \alpha^{13}, 1, 0)
                                                                            P_{171} = (8, 9, 1, 0) = (\alpha^3, \alpha^4, 1, 0)
                                                                            P_{172} = (9, 9, 1, 0) = (\alpha^4, \alpha^4, 1, 0)
P_{127} = (12, 6, 1, 0) = (\alpha^{14}, \alpha^{13}, 1, 0)
P_{128} = (13, 6, 1, 0) = (\alpha^{11}, \alpha^{13}, 1, 0)
                                                                            P_{173} = (10, 9, 1, 0) = (\alpha^{10}, \alpha^4, 1, 0)
                                                                            P_{174} = (11, 9, 1, 0) = (\alpha^5, \alpha^4, 1, 0)
P_{129} = (14, 6, 1, 0) = (\alpha^8, \alpha^{13}, 1, 0)
                                                                            P_{175} = (12, 9, 1, 0) = (\alpha^{14}, \alpha^4, 1, 0)
P_{130} = (15, 6, 1, 0) = (\alpha^6, \alpha^{13}, 1, 0)
                                                                           P_{176} = (13, 9, 1, 0) = (\alpha^{11}, \alpha^4, 1, 0)
P_{131} = (0, 7, 1, 0) = (0, \alpha^7, 1, 0)
P_{132} = (1, 7, 1, 0) = (1, \alpha^7, 1, 0)
                                                                            P_{177} = (14, 9, 1, 0) = (\alpha^8, \alpha^4, 1, 0)
P_{133} = (2, 7, 1, 0) = (\alpha, \alpha^7, 1, 0)
                                                                            P_{178} = (15, 9, 1, 0) = (\alpha^6, \alpha^4, 1, 0)
                                                                            P_{179} = (0, 10, 1, 0) = (0, \alpha^{10}, 1, 0)
P_{134} = (3, 7, 1, 0) = (\alpha^{12}, \alpha^7, 1, 0)
P_{135} = (4, 7, 1, 0) = (\alpha^2, \alpha^7, 1, 0)
                                                                            P_{180} = (1, 10, 1, 0) = (1, \alpha^{10}, 1, 0)
P_{136} = (5, 7, 1, 0) = (\alpha^9, \alpha^7, 1, 0)
                                                                            P_{181} = (2, 10, 1, 0) = (\alpha, \alpha^{10}, 1, 0)
P_{137} = (6, 7, 1, 0) = (\alpha^{13}, \alpha^7, 1, 0)
                                                                           P_{182} = (3, 10, 1, 0) = (\alpha^{12}, \alpha^{10}, 1, 0)
                                                                            P_{183} = (4, 10, 1, 0) = (\alpha^2, \alpha^{10}, 1, 0)
P_{138} = (7, 7, 1, 0) = (\alpha^7, \alpha^7, 1, 0)
P_{139} = (8, 7, 1, 0) = (\alpha^3, \alpha^7, 1, 0)
                                                                            P_{184} = (5, 10, 1, 0) = (\alpha^9, \alpha^{10}, 1, 0)
P_{140} = (9, 7, 1, 0) = (\alpha^4, \alpha^7, 1, 0)
                                                                            P_{185} = (6, 10, 1, 0) = (\alpha^{13}, \alpha^{10}, 1, 0)
P_{141} = (10, 7, 1, 0) = (\alpha^{10}, \alpha^7, 1, 0)
                                                                            P_{186} = (7, 10, 1, 0) = (\alpha^7, \alpha^{10}, 1, 0)
P_{142} = (11, 7, 1, 0) = (\alpha^5, \alpha^7, 1, 0)
                                                                            P_{187} = (8, 10, 1, 0) = (\alpha^3, \alpha^{10}, 1, 0)
P_{143} = (12, 7, 1, 0) = (\alpha^{14}, \alpha^{7}, 1, 0)
                                                                            P_{188} = (9, 10, 1, 0) = (\alpha^4, \alpha^{10}, 1, 0)
P_{144} = (13, 7, 1, 0) = (\alpha^{11}, \alpha^7, 1, 0)
                                                                           P_{189} = (10, 10, 1, 0) = (\alpha^{10}, \alpha^{10}, 1, 0)
P_{145} = (14, 7, 1, 0) = (\alpha^8, \alpha^7, 1, 0)
                                                                            P_{190} = (11, 10, 1, 0) = (\alpha^5, \alpha^{10}, 1, 0)
P_{146} = (15, 7, 1, 0) = (\alpha^6, \alpha^7, 1, 0)
                                                                            P_{191} = (12, 10, 1, 0) = (\alpha^{14}, \alpha^{10}, 1, 0)
                                                                            P_{192} = (13, 10, 1, 0) = (\alpha^{11}, \alpha^{10}, 1, 0)
P_{147} = (0, 8, 1, 0) = (0, \alpha^3, 1, 0)
P_{148} = (1, 8, 1, 0) = (1, \alpha^3, 1, 0)
                                                                            P_{193} = (14, 10, 1, 0) = (\alpha^8, \alpha^{10}, 1, 0)
P_{149} = (2, 8, 1, 0) = (\alpha, \alpha^3, 1, 0)
                                                                            P_{194} = (15, 10, 1, 0) = (\alpha^6, \alpha^{10}, 1, 0)
P_{150} = (3, 8, 1, 0) = (\alpha^{12}, \alpha^3, 1, 0)
                                                                            P_{195} = (0, 11, 1, 0) = (0, \alpha^5, 1, 0)
P_{151} = (4, 8, 1, 0) = (\alpha^2, \alpha^3, 1, 0)
                                                                            P_{196} = (1, 11, 1, 0) = (1, \alpha^5, 1, 0)
P_{152} = (5, 8, 1, 0) = (\alpha^9, \alpha^3, 1, 0)
                                                                            P_{197} = (2, 11, 1, 0) = (\alpha, \alpha^5, 1, 0)
P_{153} = (6, 8, 1, 0) = (\alpha^{13}, \alpha^3, 1, 0)
                                                                            P_{198} = (3, 11, 1, 0) = (\alpha^{12}, \alpha^5, 1, 0)
P_{154} = (7, 8, 1, 0) = (\alpha^7, \alpha^3, 1, 0)
                                                                            P_{199} = (4, 11, 1, 0) = (\alpha^2, \alpha^5, 1, 0)
P_{155} = (8, 8, 1, 0) = (\alpha^3, \alpha^3, 1, 0)
                                                                            P_{200} = (5, 11, 1, 0) = (\alpha^9, \alpha^5, 1, 0)
P_{156} = (9, 8, 1, 0) = (\alpha^4, \alpha^3, 1, 0)
                                                                           P_{201} = (6, 11, 1, 0) = (\alpha^{13}, \alpha^5, 1, 0)
P_{157} = (10, 8, 1, 0) = (\alpha^{10}, \alpha^3, 1, 0)
                                                                            P_{202} = (7, 11, 1, 0) = (\alpha^7, \alpha^5, 1, 0)
P_{158} = (11, 8, 1, 0) = (\alpha^5, \alpha^3, 1, 0)
                                                                            P_{203} = (8, 11, 1, 0) = (\alpha^3, \alpha^5, 1, 0)
P_{159} = (12, 8, 1, 0) = (\alpha^{14}, \alpha^3, 1, 0)
                                                                            P_{204} = (9, 11, 1, 0) = (\alpha^4, \alpha^5, 1, 0)
P_{160} = (13, 8, 1, 0) = (\alpha^{11}, \alpha^3, 1, 0)
                                                                           P_{205} = (10, 11, 1, 0) = (\alpha^{10}, \alpha^5, 1, 0)
P_{161} = (14, 8, 1, 0) = (\alpha^8, \alpha^3, 1, 0)
                                                                            P_{206} = (11, 11, 1, 0) = (\alpha^5, \alpha^5, 1, 0)
P_{162} = (15, 8, 1, 0) = (\alpha^6, \alpha^3, 1, 0)
                                                                            P_{207} = (12, 11, 1, 0) = (\alpha^{14}, \alpha^5, 1, 0)
                                                                           P_{208} = (13, 11, 1, 0) = (\alpha^{11}, \alpha^5, 1, 0)
P_{163} = (0, 9, 1, 0) = (0, \alpha^4, 1, 0)
P_{164} = (1, 9, 1, 0) = (1, \alpha^4, 1, 0)
                                                                            P_{209} = (14, 11, 1, 0) = (\alpha^8, \alpha^5, 1, 0)
P_{165} = (2, 9, 1, 0) = (\alpha, \alpha^4, 1, 0)
                                                                            P_{210} = (15, 11, 1, 0) = (\alpha^6, \alpha^5, 1, 0)
P_{166} = (3, 9, 1, 0) = (\alpha^{12}, \alpha^4, 1, 0)
                                                                            P_{211} = (0, 12, 1, 0) = (0, \alpha^{14}, 1, 0)
P_{167} = (4, 9, 1, 0) = (\alpha^2, \alpha^4, 1, 0)
                                                                            P_{212} = (1, 12, 1, 0) = (1, \alpha^{14}, 1, 0)
P_{168} = (5, 9, 1, 0) = (\alpha^9, \alpha^4, 1, 0)
                                                                           P_{213} = (2, 12, 1, 0) = (\alpha, \alpha^{14}, 1, 0)
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P_{214} = (3, 12, 1, 0) = (\alpha^{12}, \alpha^{14}, 1, 0)
                                                                         P_{259} = (0, 15, 1, 0) = (0, \alpha^6, 1, 0)
P_{215} = (4, 12, 1, 0) = (\alpha^2, \alpha^{14}, 1, 0)
                                                                          P_{260} = (1, 15, 1, 0) = (1, \alpha^6, 1, 0)
P_{216} = (5, 12, 1, 0) = (\alpha^9, \alpha^{14}, 1, 0)
                                                                          P_{261} = (2, 15, 1, 0) = (\alpha, \alpha^6, 1, 0)
P_{217} = (6, 12, 1, 0) = (\alpha^{13}, \alpha^{14}, 1, 0)
                                                                          P_{262} = (3, 15, 1, 0) = (\alpha^{12}, \alpha^6, 1, 0)
P_{218} = (7, 12, 1, 0) = (\alpha^7, \alpha^{14}, 1, 0)
                                                                         P_{263} = (4, 15, 1, 0) = (\alpha^2, \alpha^6, 1, 0)
P_{219} = (8, 12, 1, 0) = (\alpha^3, \alpha^{14}, 1, 0)
                                                                         P_{264} = (5, 15, 1, 0) = (\alpha^9, \alpha^6, 1, 0)
                                                                         P_{265} = (6, 15, 1, 0) = (\alpha^{13}, \alpha^6, 1, 0)
P_{220} = (9, 12, 1, 0) = (\alpha^4, \alpha^{14}, 1, 0)
P_{221} = (10, 12, 1, 0) = (\alpha^{10}, \alpha^{14}, 1, 0)
                                                                         P_{266} = (7, 15, 1, 0) = (\alpha^7, \alpha^6, 1, 0)
P_{222} = (11, 12, 1, 0) = (\alpha^5, \alpha^{14}, 1, 0)
                                                                         P_{267} = (8, 15, 1, 0) = (\alpha^3, \alpha^6, 1, 0)
P_{223} = (12, 12, 1, 0) = (\alpha^{14}, \alpha^{14}, 1, 0)
                                                                          P_{268} = (9, 15, 1, 0) = (\alpha^4, \alpha^6, 1, 0)
P_{224} = (13, 12, 1, 0) = (\alpha^{11}, \alpha^{14}, 1, 0)
                                                                         P_{269} = (10, 15, 1, 0) = (\alpha^{10}, \alpha^6, 1, 0)
P_{225} = (14, 12, 1, 0) = (\alpha^8, \alpha^{14}, 1, 0)
                                                                         P_{270} = (11, 15, 1, 0) = (\alpha^5, \alpha^6, 1, 0)
P_{226} = (15, 12, 1, 0) = (\alpha^6, \alpha^{14}, 1, 0)
                                                                         P_{271} = (12, 15, 1, 0) = (\alpha^{14}, \alpha^6, 1, 0)
P_{227} = (0, 13, 1, 0) = (0, \alpha^{11}, 1, 0)
                                                                         P_{272} = (13, 15, 1, 0) = (\alpha^{11}, \alpha^6, 1, 0)
P_{228} = (1, 13, 1, 0) = (1, \alpha^{11}, 1, 0)
                                                                         P_{273} = (14, 15, 1, 0) = (\alpha^8, \alpha^6, 1, 0)
P_{229} = (2, 13, 1, 0) = (\alpha, \alpha^{11}, 1, 0)
                                                                         P_{274} = (15, 15, 1, 0) = (\alpha^6, \alpha^6, 1, 0)
P_{230} = (3, 13, 1, 0) = (\alpha^{12}, \alpha^{11}, 1, 0)
                                                                         P_{275} = (1, 0, 0, 1) = (1, 0, 0, 1)
P_{231} = (4, 13, 1, 0) = (\alpha^2, \alpha^{11}, 1, 0)
                                                                         P_{276} = (2, 0, 0, 1) = (\alpha, 0, 0, 1)
P_{232} = (5, 13, 1, 0) = (\alpha^9, \alpha^{11}, 1, 0)
                                                                         P_{277} = (3, 0, 0, 1) = (\alpha^{12}, 0, 0, 1)
P_{233} = (6, 13, 1, 0) = (\alpha^{13}, \alpha^{11}, 1, 0)
                                                                         P_{278} = (4, 0, 0, 1) = (\alpha^2, 0, 0, 1)
P_{234} = (7, 13, 1, 0) = (\alpha^7, \alpha^{11}, 1, 0)
                                                                         P_{279} = (5, 0, 0, 1) = (\alpha^9, 0, 0, 1)
P_{235} = (8, 13, 1, 0) = (\alpha^3, \alpha^{11}, 1, 0)
                                                                         P_{280} = (6, 0, 0, 1) = (\alpha^{13}, 0, 0, 1)
P_{236} = (9, 13, 1, 0) = (\alpha^4, \alpha^{11}, 1, 0)
                                                                         P_{281} = (7, 0, 0, 1) = (\alpha^7, 0, 0, 1)
P_{237} = (10, 13, 1, 0) = (\alpha^{10}, \alpha^{11}, 1, 0)
                                                                         P_{282} = (8, 0, 0, 1) = (\alpha^3, 0, 0, 1)
P_{238} = (11, 13, 1, 0) = (\alpha^5, \alpha^{11}, 1, 0)
                                                                         P_{283} = (9, 0, 0, 1) = (\alpha^4, 0, 0, 1)
                                                                         P_{284} = (10, 0, 0, 1) = (\alpha^{10}, 0, 0, 1)
P_{239} = (12, 13, 1, 0) = (\alpha^{14}, \alpha^{11}, 1, 0)
P_{240} = (13, 13, 1, 0) = (\alpha^{11}, \alpha^{11}, 1, 0)
                                                                         P_{285} = (11, 0, 0, 1) = (\alpha^5, 0, 0, 1)
P_{241} = (14, 13, 1, 0) = (\alpha^8, \alpha^{11}, 1, 0)
                                                                         P_{286} = (12, 0, 0, 1) = (\alpha^{14}, 0, 0, 1)
P_{242} = (15, 13, 1, 0) = (\alpha^6, \alpha^{11}, 1, 0)
                                                                         P_{287} = (13, 0, 0, 1) = (\alpha^{11}, 0, 0, 1)
P_{243} = (0, 14, 1, 0) = (0, \alpha^8, 1, 0)
                                                                         P_{288} = (14, 0, 0, 1) = (\alpha^8, 0, 0, 1)
P_{244} = (1, 14, 1, 0) = (1, \alpha^8, 1, 0)
                                                                         P_{289} = (15, 0, 0, 1) = (\alpha^6, 0, 0, 1)
P_{245} = (2, 14, 1, 0) = (\alpha, \alpha^8, 1, 0)
                                                                         P_{290} = (0, 1, 0, 1) = (0, 1, 0, 1)
P_{246} = (3, 14, 1, 0) = (\alpha^{12}, \alpha^8, 1, 0)
                                                                         P_{291} = (1, 1, 0, 1) = (1, 1, 0, 1)
P_{247} = (4, 14, 1, 0) = (\alpha^2, \alpha^8, 1, 0)
                                                                         P_{292} = (2, 1, 0, 1) = (\alpha, 1, 0, 1)
                                                                         P_{293} = (3, 1, 0, 1) = (\alpha^{12}, 1, 0, 1)
P_{248} = (5, 14, 1, 0) = (\alpha^9, \alpha^8, 1, 0)
P_{249} = (6, 14, 1, 0) = (\alpha^{13}, \alpha^{8}, 1, 0)
                                                                         P_{294} = (4, 1, 0, 1) = (\alpha^2, 1, 0, 1)
P_{250} = (7, 14, 1, 0) = (\alpha^7, \alpha^8, 1, 0)
                                                                         P_{295} = (5, 1, 0, 1) = (\alpha^9, 1, 0, 1)
P_{251} = (8, 14, 1, 0) = (\alpha^3, \alpha^8, 1, 0)
                                                                          P_{296} = (6, 1, 0, 1) = (\alpha^{13}, 1, 0, 1)
P_{252} = (9, 14, 1, 0) = (\alpha^4, \alpha^8, 1, 0)
                                                                         P_{297} = (7, 1, 0, 1) = (\alpha^7, 1, 0, 1)
P_{253} = (10, 14, 1, 0) = (\alpha^{10}, \alpha^8, 1, 0)
                                                                         P_{298} = (8, 1, 0, 1) = (\alpha^3, 1, 0, 1)
P_{254} = (11, 14, 1, 0) = (\alpha^5, \alpha^8, 1, 0)
                                                                         P_{299} = (9, 1, 0, 1) = (\alpha^4, 1, 0, 1)
P_{255} = (12, 14, 1, 0) = (\alpha^{14}, \alpha^8, 1, 0)
                                                                         P_{300} = (10, 1, 0, 1) = (\alpha^{10}, 1, 0, 1)
P_{256} = (13, 14, 1, 0) = (\alpha^{11}, \alpha^8, 1, 0)
                                                                         P_{301} = (11, 1, 0, 1) = (\alpha^5, 1, 0, 1)
P_{257} = (14, 14, 1, 0) = (\alpha^8, \alpha^8, 1, 0)
                                                                         P_{302} = (12, 1, 0, 1) = (\alpha^{14}, 1, 0, 1)
P_{258} = (15, 14, 1, 0) = (\alpha^6, \alpha^8, 1, 0)
                                                                         P_{303} = (13, 1, 0, 1) = (\alpha^{11}, 1, 0, 1)
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P_{304} = (14, 1, 0, 1) = (\alpha^8, 1, 0, 1)
                                                                            P_{349} = (11, 4, 0, 1) = (\alpha^5, \alpha^2, 0, 1)
P_{305} = (15, 1, 0, 1) = (\alpha^6, 1, 0, 1)
                                                                            P_{350} = (12, 4, 0, 1) = (\alpha^{14}, \alpha^2, 0, 1)
P_{306} = (0, 2, 0, 1) = (0, \alpha, 0, 1)
                                                                            P_{351} = (13, 4, 0, 1) = (\alpha^{11}, \alpha^2, 0, 1)
                                                                            P_{352} = (14, 4, 0, 1) = (\alpha^8, \alpha^2, 0, 1)
P_{307} = (1, 2, 0, 1) = (1, \alpha, 0, 1)
                                                                            P_{353} = (15, 4, 0, 1) = (\alpha^6, \alpha^2, 0, 1)
P_{308} = (2, 2, 0, 1) = (\alpha, \alpha, 0, 1)
P_{309} = (3, 2, 0, 1) = (\alpha^{12}, \alpha, 0, 1)
                                                                            P_{354} = (0, 5, 0, 1) = (0, \alpha^9, 0, 1)
P_{310} = (4, 2, 0, 1) = (\alpha^2, \alpha, 0, 1)
                                                                            P_{355} = (1, 5, 0, 1) = (1, \alpha^9, 0, 1)
P_{311} = (5, 2, 0, 1) = (\alpha^9, \alpha, 0, 1)
                                                                            P_{356} = (2, 5, 0, 1) = (\alpha, \alpha^9, 0, 1)
                                                                            P_{357} = (3, 5, 0, 1) = (\alpha^{12}, \alpha^9, 0, 1)
P_{312} = (6, 2, 0, 1) = (\alpha^{13}, \alpha, 0, 1)
                                                                            P_{358} = (4, 5, 0, 1) = (\alpha^2, \alpha^9, 0, 1)
P_{313} = (7, 2, 0, 1) = (\alpha^7, \alpha, 0, 1)
P_{314} = (8, 2, 0, 1) = (\alpha^3, \alpha, 0, 1)
                                                                            P_{359} = (5, 5, 0, 1) = (\alpha^9, \alpha^9, 0, 1)
                                                                            P_{360} = (6, 5, 0, 1) = (\alpha^{13}, \alpha^9, 0, 1)
P_{315} = (9, 2, 0, 1) = (\alpha^4, \alpha, 0, 1)
P_{316} = (10, 2, 0, 1) = (\alpha^{10}, \alpha, 0, 1)
                                                                            P_{361} = (7, 5, 0, 1) = (\alpha^7, \alpha^9, 0, 1)
P_{317} = (11, 2, 0, 1) = (\alpha^5, \alpha, 0, 1)
                                                                            P_{362} = (8, 5, 0, 1) = (\alpha^3, \alpha^9, 0, 1)
P_{318} = (12, 2, 0, 1) = (\alpha^{14}, \alpha, 0, 1)
                                                                            P_{363} = (9, 5, 0, 1) = (\alpha^4, \alpha^9, 0, 1)
P_{319} = (13, 2, 0, 1) = (\alpha^{11}, \alpha, 0, 1)
                                                                            P_{364} = (10, 5, 0, 1) = (\alpha^{10}, \alpha^9, 0, 1)
P_{320} = (14, 2, 0, 1) = (\alpha^8, \alpha, 0, 1)
                                                                            P_{365} = (11, 5, 0, 1) = (\alpha^5, \alpha^9, 0, 1)
P_{321} = (15, 2, 0, 1) = (\alpha^6, \alpha, 0, 1)
                                                                            P_{366} = (12, 5, 0, 1) = (\alpha^{14}, \alpha^{9}, 0, 1)
P_{322} = (0, 3, 0, 1) = (0, \alpha^{12}, 0, 1)
                                                                            P_{367} = (13, 5, 0, 1) = (\alpha^{11}, \alpha^9, 0, 1)
P_{323} = (1, 3, 0, 1) = (1, \alpha^{12}, 0, 1)
                                                                            P_{368} = (14, 5, 0, 1) = (\alpha^8, \alpha^9, 0, 1)
P_{324} = (2, 3, 0, 1) = (\alpha, \alpha^{12}, 0, 1)
                                                                            P_{369} = (15, 5, 0, 1) = (\alpha^6, \alpha^9, 0, 1)
P_{325} = (3, 3, 0, 1) = (\alpha^{12}, \alpha^{12}, 0, 1)
                                                                            P_{370} = (0, 6, 0, 1) = (0, \alpha^{13}, 0, 1)
P_{326} = (4, 3, 0, 1) = (\alpha^2, \alpha^{12}, 0, 1)
                                                                            P_{371} = (1, 6, 0, 1) = (1, \alpha^{13}, 0, 1)
P_{327} = (5, 3, 0, 1) = (\alpha^9, \alpha^{12}, 0, 1)
                                                                            P_{372} = (2, 6, 0, 1) = (\alpha, \alpha^{13}, 0, 1)
P_{328} = (6, 3, 0, 1) = (\alpha^{13}, \alpha^{12}, 0, 1)
                                                                            P_{373} = (3, 6, 0, 1) = (\alpha^{12}, \alpha^{13}, 0, 1)
P_{329} = (7, 3, 0, 1) = (\alpha^7, \alpha^{12}, 0, 1)
                                                                            P_{374} = (4, 6, 0, 1) = (\alpha^2, \alpha^{13}, 0, 1)
P_{330} = (8, 3, 0, 1) = (\alpha^3, \alpha^{12}, 0, 1)
                                                                            P_{375} = (5, 6, 0, 1) = (\alpha^9, \alpha^{13}, 0, 1)
P_{331} = (9, 3, 0, 1) = (\alpha^4, \alpha^{12}, 0, 1)
                                                                            P_{376} = (6, 6, 0, 1) = (\alpha^{13}, \alpha^{13}, 0, 1)
P_{332} = (10, 3, 0, 1) = (\alpha^{10}, \alpha^{12}, 0, 1)
                                                                            P_{377} = (7, 6, 0, 1) = (\alpha^7, \alpha^{13}, 0, 1)
P_{333} = (11, 3, 0, 1) = (\alpha^5, \alpha^{12}, 0, 1)
                                                                            P_{378} = (8, 6, 0, 1) = (\alpha^3, \alpha^{13}, 0, 1)
                                                                            P_{379} = (9, 6, 0, 1) = (\alpha^4, \alpha^{13}, 0, 1)
P_{334} = (12, 3, 0, 1) = (\alpha^{14}, \alpha^{12}, 0, 1)
P_{335} = (13, 3, 0, 1) = (\alpha^{11}, \alpha^{12}, 0, 1)
                                                                            P_{380} = (10, 6, 0, 1) = (\alpha^{10}, \alpha^{13}, 0, 1)
                                                                            P_{381} = (11, 6, 0, 1) = (\alpha^5, \alpha^{13}, 0, 1)
P_{336} = (14, 3, 0, 1) = (\alpha^8, \alpha^{12}, 0, 1)
P_{337} = (15, 3, 0, 1) = (\alpha^6, \alpha^{12}, 0, 1)
                                                                            P_{382} = (12, 6, 0, 1) = (\alpha^{14}, \alpha^{13}, 0, 1)
                                                                            P_{383} = (13, 6, 0, 1) = (\alpha^{11}, \alpha^{13}, 0, 1)
P_{338} = (0, 4, 0, 1) = (0, \alpha^2, 0, 1)
P_{339} = (1, 4, 0, 1) = (1, \alpha^2, 0, 1)
                                                                            P_{384} = (14, 6, 0, 1) = (\alpha^8, \alpha^{13}, 0, 1)
P_{340} = (2, 4, 0, 1) = (\alpha, \alpha^2, 0, 1)
                                                                            P_{385} = (15, 6, 0, 1) = (\alpha^6, \alpha^{13}, 0, 1)
P_{341} = (3, 4, 0, 1) = (\alpha^{12}, \alpha^2, 0, 1)
                                                                            P_{386} = (0, 7, 0, 1) = (0, \alpha^7, 0, 1)
P_{342} = (4, 4, 0, 1) = (\alpha^2, \alpha^2, 0, 1)
                                                                            P_{387} = (1, 7, 0, 1) = (1, \alpha^7, 0, 1)
P_{343} = (5, 4, 0, 1) = (\alpha^9, \alpha^2, 0, 1)
                                                                            P_{388} = (2, 7, 0, 1) = (\alpha, \alpha^7, 0, 1)
P_{344} = (6, 4, 0, 1) = (\alpha^{13}, \alpha^2, 0, 1)
                                                                            P_{389} = (3,7,0,1) = (\alpha^{12}, \alpha^7, 0, 1)
P_{345} = (7, 4, 0, 1) = (\alpha^7, \alpha^2, 0, 1)
                                                                            P_{390} = (4,7,0,1) = (\alpha^2, \alpha^7, 0, 1)
P_{346} = (8, 4, 0, 1) = (\alpha^3, \alpha^2, 0, 1)
                                                                            P_{391} = (5,7,0,1) = (\alpha^9, \alpha^7, 0, 1)
P_{347} = (9, 4, 0, 1) = (\alpha^4, \alpha^2, 0, 1)
                                                                            P_{392} = (6,7,0,1) = (\alpha^{13}, \alpha^7, 0, 1)
P_{348} = (10, 4, 0, 1) = (\alpha^{10}, \alpha^2, 0, 1)
                                                                            P_{393} = (7,7,0,1) = (\alpha^7, \alpha^7, 0, 1)
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P_{439} = (5, 10, 0, 1) = (\alpha^9, \alpha^{10}, 0, 1)
P_{394} = (8,7,0,1) = (\alpha^3, \alpha^7, 0, 1)
                                                                            P_{440} = (6, 10, 0, 1) = (\alpha^{13}, \alpha^{10}, 0, 1)
P_{395} = (9,7,0,1) = (\alpha^4, \alpha^7, 0, 1)
P_{396} = (10, 7, 0, 1) = (\alpha^{10}, \alpha^7, 0, 1)
                                                                            P_{441} = (7, 10, 0, 1) = (\alpha^7, \alpha^{10}, 0, 1)
                                                                            P_{442} = (8, 10, 0, 1) = (\alpha^3, \alpha^{10}, 0, 1)
P_{397} = (11, 7, 0, 1) = (\alpha^5, \alpha^7, 0, 1)
                                                                           P_{443} = (9, 10, 0, 1) = (\alpha^4, \alpha^{10}, 0, 1)
P_{398} = (12, 7, 0, 1) = (\alpha^{14}, \alpha^7, 0, 1)
P_{399} = (13, 7, 0, 1) = (\alpha^{11}, \alpha^7, 0, 1)
                                                                            P_{444} = (10, 10, 0, 1) = (\alpha^{10}, \alpha^{10}, 0, 1)
                                                                            P_{445} = (11, 10, 0, 1) = (\alpha^5, \alpha^{10}, 0, 1)
P_{400} = (14, 7, 0, 1) = (\alpha^8, \alpha^7, 0, 1)
                                                                           P_{446} = (12, 10, 0, 1) = (\alpha^{14}, \alpha^{10}, 0, 1)
P_{401} = (15, 7, 0, 1) = (\alpha^6, \alpha^7, 0, 1)
                                                                            P_{447} = (13, 10, 0, 1) = (\alpha^{11}, \alpha^{10}, 0, 1)
P_{402} = (0, 8, 0, 1) = (0, \alpha^3, 0, 1)
                                                                           P_{448} = (14, 10, 0, 1) = (\alpha^8, \alpha^{10}, 0, 1)
P_{403} = (1, 8, 0, 1) = (1, \alpha^3, 0, 1)
P_{404} = (2, 8, 0, 1) = (\alpha, \alpha^3, 0, 1)
                                                                            P_{449} = (15, 10, 0, 1) = (\alpha^6, \alpha^{10}, 0, 1)
P_{405} = (3, 8, 0, 1) = (\alpha^{12}, \alpha^3, 0, 1)
                                                                            P_{450} = (0, 11, 0, 1) = (0, \alpha^5, 0, 1)
P_{406} = (4, 8, 0, 1) = (\alpha^2, \alpha^3, 0, 1)
                                                                            P_{451} = (1, 11, 0, 1) = (1, \alpha^5, 0, 1)
P_{407} = (5, 8, 0, 1) = (\alpha^9, \alpha^3, 0, 1)
                                                                            P_{452} = (2, 11, 0, 1) = (\alpha, \alpha^5, 0, 1)
P_{408} = (6, 8, 0, 1) = (\alpha^{13}, \alpha^3, 0, 1)
                                                                           P_{453} = (3, 11, 0, 1) = (\alpha^{12}, \alpha^5, 0, 1)
P_{409} = (7, 8, 0, 1) = (\alpha^7, \alpha^3, 0, 1)
                                                                            P_{454} = (4, 11, 0, 1) = (\alpha^2, \alpha^5, 0, 1)
P_{410} = (8, 8, 0, 1) = (\alpha^3, \alpha^3, 0, 1)
                                                                            P_{455} = (5, 11, 0, 1) = (\alpha^9, \alpha^5, 0, 1)
                                                                           P_{456} = (6, 11, 0, 1) = (\alpha^{13}, \alpha^5, 0, 1)
P_{411} = (9, 8, 0, 1) = (\alpha^4, \alpha^3, 0, 1)
P_{412} = (10, 8, 0, 1) = (\alpha^{10}, \alpha^3, 0, 1)
                                                                            P_{457} = (7, 11, 0, 1) = (\alpha^7, \alpha^5, 0, 1)
P_{413} = (11, 8, 0, 1) = (\alpha^5, \alpha^3, 0, 1)
                                                                            P_{458} = (8, 11, 0, 1) = (\alpha^3, \alpha^5, 0, 1)
P_{414} = (12, 8, 0, 1) = (\alpha^{14}, \alpha^3, 0, 1)
                                                                            P_{459} = (9, 11, 0, 1) = (\alpha^4, \alpha^5, 0, 1)
P_{415} = (13, 8, 0, 1) = (\alpha^{11}, \alpha^3, 0, 1)
                                                                           P_{460} = (10, 11, 0, 1) = (\alpha^{10}, \alpha^5, 0, 1)
                                                                            P_{461} = (11, 11, 0, 1) = (\alpha^5, \alpha^5, 0, 1)
P_{416} = (14, 8, 0, 1) = (\alpha^8, \alpha^3, 0, 1)
                                                                            P_{462} = (12, 11, 0, 1) = (\alpha^{14}, \alpha^5, 0, 1)
P_{417} = (15, 8, 0, 1) = (\alpha^6, \alpha^3, 0, 1)
                                                                            P_{463} = (13, 11, 0, 1) = (\alpha^{11}, \alpha^5, 0, 1)
P_{418} = (0, 9, 0, 1) = (0, \alpha^4, 0, 1)
                                                                            P_{464} = (14, 11, 0, 1) = (\alpha^8, \alpha^5, 0, 1)
P_{419} = (1, 9, 0, 1) = (1, \alpha^4, 0, 1)
P_{420} = (2, 9, 0, 1) = (\alpha, \alpha^4, 0, 1)
                                                                            P_{465} = (15, 11, 0, 1) = (\alpha^6, \alpha^5, 0, 1)
P_{421} = (3, 9, 0, 1) = (\alpha^{12}, \alpha^4, 0, 1)
                                                                            P_{466} = (0, 12, 0, 1) = (0, \alpha^{14}, 0, 1)
P_{422} = (4, 9, 0, 1) = (\alpha^2, \alpha^4, 0, 1)
                                                                            P_{467} = (1, 12, 0, 1) = (1, \alpha^{14}, 0, 1)
P_{423} = (5, 9, 0, 1) = (\alpha^9, \alpha^4, 0, 1)
                                                                            P_{468} = (2, 12, 0, 1) = (\alpha, \alpha^{14}, 0, 1)
P_{424} = (6, 9, 0, 1) = (\alpha^{13}, \alpha^4, 0, 1)
                                                                            P_{469} = (3, 12, 0, 1) = (\alpha^{12}, \alpha^{14}, 0, 1)
                                                                           P_{470} = (4, 12, 0, 1) = (\alpha^2, \alpha^{14}, 0, 1)
P_{425} = (7, 9, 0, 1) = (\alpha^7, \alpha^4, 0, 1)
P_{426} = (8, 9, 0, 1) = (\alpha^3, \alpha^4, 0, 1)
                                                                            P_{471} = (5, 12, 0, 1) = (\alpha^9, \alpha^{14}, 0, 1)
                                                                           P_{472} = (6, 12, 0, 1) = (\alpha^{13}, \alpha^{14}, 0, 1)
P_{427} = (9, 9, 0, 1) = (\alpha^4, \alpha^4, 0, 1)
P_{428} = (10, 9, 0, 1) = (\alpha^{10}, \alpha^4, 0, 1)
                                                                            P_{473} = (7, 12, 0, 1) = (\alpha^7, \alpha^{14}, 0, 1)
P_{429} = (11, 9, 0, 1) = (\alpha^5, \alpha^4, 0, 1)
                                                                            P_{474} = (8, 12, 0, 1) = (\alpha^3, \alpha^{14}, 0, 1)
P_{430} = (12, 9, 0, 1) = (\alpha^{14}, \alpha^4, 0, 1)
                                                                            P_{475} = (9, 12, 0, 1) = (\alpha^4, \alpha^{14}, 0, 1)
P_{431} = (13, 9, 0, 1) = (\alpha^{11}, \alpha^4, 0, 1)
                                                                            P_{476} = (10, 12, 0, 1) = (\alpha^{10}, \alpha^{14}, 0, 1)
P_{432} = (14, 9, 0, 1) = (\alpha^8, \alpha^4, 0, 1)
                                                                            P_{477} = (11, 12, 0, 1) = (\alpha^5, \alpha^{14}, 0, 1)
P_{433} = (15, 9, 0, 1) = (\alpha^6, \alpha^4, 0, 1)
                                                                            P_{478} = (12, 12, 0, 1) = (\alpha^{14}, \alpha^{14}, 0, 1)
P_{434} = (0, 10, 0, 1) = (0, \alpha^{10}, 0, 1)
                                                                            P_{479} = (13, 12, 0, 1) = (\alpha^{11}, \alpha^{14}, 0, 1)
P_{435} = (1, 10, 0, 1) = (1, \alpha^{10}, 0, 1)
                                                                            P_{480} = (14, 12, 0, 1) = (\alpha^8, \alpha^{14}, 0, 1)
P_{436} = (2, 10, 0, 1) = (\alpha, \alpha^{10}, 0, 1)
                                                                            P_{481} = (15, 12, 0, 1) = (\alpha^6, \alpha^{14}, 0, 1)
P_{437} = (3, 10, 0, 1) = (\alpha^{12}, \alpha^{10}, 0, 1)
                                                                            P_{482} = (0, 13, 0, 1) = (0, \alpha^{11}, 0, 1)
P_{438} = (4, 10, 0, 1) = (\alpha^2, \alpha^{10}, 0, 1)
                                                                            P_{483} = (1, 13, 0, 1) = (1, \alpha^{11}, 0, 1)
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P_{484} = (2, 13, 0, 1) = (\alpha, \alpha^{11}, 0, 1)
                                                                         P_{529} = (15, 15, 0, 1) = (\alpha^6, \alpha^6, 0, 1)
P_{485} = (3, 13, 0, 1) = (\alpha^{12}, \alpha^{11}, 0, 1)
                                                                         P_{530} = (0, 0, 1, 1) = (0, 0, 1, 1)
P_{486} = (4, 13, 0, 1) = (\alpha^2, \alpha^{11}, 0, 1)
                                                                         P_{531} = (1, 0, 1, 1) = (1, 0, 1, 1)
P_{487} = (5, 13, 0, 1) = (\alpha^9, \alpha^{11}, 0, 1)
                                                                         P_{532} = (2, 0, 1, 1) = (\alpha, 0, 1, 1)
P_{488} = (6, 13, 0, 1) = (\alpha^{13}, \alpha^{11}, 0, 1)
                                                                         P_{533} = (3, 0, 1, 1) = (\alpha^{12}, 0, 1, 1)
P_{489} = (7, 13, 0, 1) = (\alpha^7, \alpha^{11}, 0, 1)
                                                                         P_{534} = (4, 0, 1, 1) = (\alpha^2, 0, 1, 1)
                                                                         P_{535} = (5, 0, 1, 1) = (\alpha^9, 0, 1, 1)
P_{490} = (8, 13, 0, 1) = (\alpha^3, \alpha^{11}, 0, 1)
P_{491} = (9, 13, 0, 1) = (\alpha^4, \alpha^{11}, 0, 1)
                                                                         P_{536} = (6, 0, 1, 1) = (\alpha^{13}, 0, 1, 1)
P_{492} = (10, 13, 0, 1) = (\alpha^{10}, \alpha^{11}, 0, 1)
                                                                         P_{537} = (7, 0, 1, 1) = (\alpha^7, 0, 1, 1)
P_{493} = (11, 13, 0, 1) = (\alpha^5, \alpha^{11}, 0, 1)
                                                                         P_{538} = (8, 0, 1, 1) = (\alpha^3, 0, 1, 1)
P_{494} = (12, 13, 0, 1) = (\alpha^{14}, \alpha^{11}, 0, 1)
                                                                         P_{539} = (9, 0, 1, 1) = (\alpha^4, 0, 1, 1)
P_{495} = (13, 13, 0, 1) = (\alpha^{11}, \alpha^{11}, 0, 1)
                                                                         P_{540} = (10, 0, 1, 1) = (\alpha^{10}, 0, 1, 1)
P_{496} = (14, 13, 0, 1) = (\alpha^8, \alpha^{11}, 0, 1)
                                                                         P_{541} = (11, 0, 1, 1) = (\alpha^5, 0, 1, 1)
P_{497} = (15, 13, 0, 1) = (\alpha^6, \alpha^{11}, 0, 1)
                                                                         P_{542} = (12, 0, 1, 1) = (\alpha^{14}, 0, 1, 1)
                                                                         P_{543} = (13, 0, 1, 1) = (\alpha^{11}, 0, 1, 1)
P_{498} = (0, 14, 0, 1) = (0, \alpha^8, 0, 1)
P_{499} = (1, 14, 0, 1) = (1, \alpha^8, 0, 1)
                                                                         P_{544} = (14, 0, 1, 1) = (\alpha^8, 0, 1, 1)
P_{500} = (2, 14, 0, 1) = (\alpha, \alpha^8, 0, 1)
                                                                         P_{545} = (15, 0, 1, 1) = (\alpha^6, 0, 1, 1)
P_{501} = (3, 14, 0, 1) = (\alpha^{12}, \alpha^8, 0, 1)
                                                                         P_{546} = (0, 1, 1, 1) = (0, 1, 1, 1)
P_{502} = (4, 14, 0, 1) = (\alpha^2, \alpha^8, 0, 1)
                                                                         P_{547} = (2, 1, 1, 1) = (\alpha, 1, 1, 1)
                                                                         P_{548} = (3, 1, 1, 1) = (\alpha^{12}, 1, 1, 1)
P_{503} = (5, 14, 0, 1) = (\alpha^9, \alpha^8, 0, 1)
P_{504} = (6, 14, 0, 1) = (\alpha^{13}, \alpha^{8}, 0, 1)
                                                                         P_{549} = (4, 1, 1, 1) = (\alpha^2, 1, 1, 1)
P_{505} = (7, 14, 0, 1) = (\alpha^7, \alpha^8, 0, 1)
                                                                         P_{550} = (5, 1, 1, 1) = (\alpha^9, 1, 1, 1)
P_{506} = (8, 14, 0, 1) = (\alpha^3, \alpha^8, 0, 1)
                                                                         P_{551} = (6, 1, 1, 1) = (\alpha^{13}, 1, 1, 1)
P_{507} = (9, 14, 0, 1) = (\alpha^4, \alpha^8, 0, 1)
                                                                         P_{552} = (7, 1, 1, 1) = (\alpha^7, 1, 1, 1)
                                                                         P_{553} = (8, 1, 1, 1) = (\alpha^3, 1, 1, 1)
P_{508} = (10, 14, 0, 1) = (\alpha^{10}, \alpha^{8}, 0, 1)
P_{509} = (11, 14, 0, 1) = (\alpha^5, \alpha^8, 0, 1)
                                                                         P_{554} = (9, 1, 1, 1) = (\alpha^4, 1, 1, 1)
                                                                         P_{555} = (10, 1, 1, 1) = (\alpha^{10}, 1, 1, 1)
P_{510} = (12, 14, 0, 1) = (\alpha^{14}, \alpha^{8}, 0, 1)
P_{511} = (13, 14, 0, 1) = (\alpha^{11}, \alpha^{8}, 0, 1)
                                                                         P_{556} = (11, 1, 1, 1) = (\alpha^5, 1, 1, 1)
P_{512} = (14, 14, 0, 1) = (\alpha^8, \alpha^8, 0, 1)
                                                                         P_{557} = (12, 1, 1, 1) = (\alpha^{14}, 1, 1, 1)
                                                                         P_{558} = (13, 1, 1, 1) = (\alpha^{11}, 1, 1, 1, 1)
P_{513} = (15, 14, 0, 1) = (\alpha^6, \alpha^8, 0, 1)
P_{514} = (0, 15, 0, 1) = (0, \alpha^6, 0, 1)
                                                                         P_{559} = (14, 1, 1, 1) = (\alpha^8, 1, 1, 1)
P_{515} = (1, 15, 0, 1) = (1, \alpha^6, 0, 1)
                                                                         P_{560} = (15, 1, 1, 1) = (\alpha^6, 1, 1, 1)
P_{516} = (2, 15, 0, 1) = (\alpha, \alpha^6, 0, 1)
                                                                         P_{561} = (0, 2, 1, 1) = (0, \alpha, 1, 1)
P_{517} = (3, 15, 0, 1) = (\alpha^{12}, \alpha^6, 0, 1)
                                                                         P_{562} = (1, 2, 1, 1) = (1, \alpha, 1, 1)
P_{518} = (4, 15, 0, 1) = (\alpha^2, \alpha^6, 0, 1)
                                                                         P_{563} = (2, 2, 1, 1) = (\alpha, \alpha, 1, 1)
P_{519} = (5, 15, 0, 1) = (\alpha^9, \alpha^6, 0, 1)
                                                                         P_{564} = (3, 2, 1, 1) = (\alpha^{12}, \alpha, 1, 1)
P_{520} = (6, 15, 0, 1) = (\alpha^{13}, \alpha^6, 0, 1)
                                                                         P_{565} = (4, 2, 1, 1) = (\alpha^2, \alpha, 1, 1)
                                                                         P_{566} = (5, 2, 1, 1) = (\alpha^9, \alpha, 1, 1)
P_{521} = (7, 15, 0, 1) = (\alpha^7, \alpha^6, 0, 1)
P_{522} = (8, 15, 0, 1) = (\alpha^3, \alpha^6, 0, 1)
                                                                         P_{567} = (6, 2, 1, 1) = (\alpha^{13}, \alpha, 1, 1)
                                                                         P_{568} = (7, 2, 1, 1) = (\alpha^7, \alpha, 1, 1)
P_{523} = (9, 15, 0, 1) = (\alpha^4, \alpha^6, 0, 1)
P_{524} = (10, 15, 0, 1) = (\alpha^{10}, \alpha^6, 0, 1)
                                                                         P_{569} = (8, 2, 1, 1) = (\alpha^3, \alpha, 1, 1)
P_{525} = (11, 15, 0, 1) = (\alpha^5, \alpha^6, 0, 1)
                                                                         P_{570} = (9, 2, 1, 1) = (\alpha^4, \alpha, 1, 1)
P_{526} = (12, 15, 0, 1) = (\alpha^{14}, \alpha^6, 0, 1)
                                                                         P_{571} = (10, 2, 1, 1) = (\alpha^{10}, \alpha, 1, 1)
P_{527} = (13, 15, 0, 1) = (\alpha^{11}, \alpha^6, 0, 1)
                                                                         P_{572} = (11, 2, 1, 1) = (\alpha^5, \alpha, 1, 1)
P_{528} = (14, 15, 0, 1) = (\alpha^8, \alpha^6, 0, 1)
                                                                         P_{573} = (12, 2, 1, 1) = (\alpha^{14}, \alpha, 1, 1)
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P_{574} = (13, 2, 1, 1) = (\alpha^{11}, \alpha, 1, 1)
                                                                            P_{619} = (10, 5, 1, 1) = (\alpha^{10}, \alpha^{9}, 1, 1)
P_{575} = (14, 2, 1, 1) = (\alpha^8, \alpha, 1, 1)
                                                                            P_{620} = (11, 5, 1, 1) = (\alpha^5, \alpha^9, 1, 1)
P_{576} = (15, 2, 1, 1) = (\alpha^6, \alpha, 1, 1)
                                                                            P_{621} = (12, 5, 1, 1) = (\alpha^{14}, \alpha^{9}, 1, 1)
P_{577} = (0, 3, 1, 1) = (0, \alpha^{12}, 1, 1)
                                                                            P_{622} = (13, 5, 1, 1) = (\alpha^{11}, \alpha^9, 1, 1)
P_{578} = (1, 3, 1, 1) = (1, \alpha^{12}, 1, 1)
                                                                            P_{623} = (14, 5, 1, 1) = (\alpha^8, \alpha^9, 1, 1)
P_{579} = (2, 3, 1, 1) = (\alpha, \alpha^{12}, 1, 1)
                                                                            P_{624} = (15, 5, 1, 1) = (\alpha^6, \alpha^9, 1, 1)
P_{580} = (3, 3, 1, 1) = (\alpha^{12}, \alpha^{12}, 1, 1)
                                                                            P_{625} = (0, 6, 1, 1) = (0, \alpha^{13}, 1, 1)
P_{581} = (4, 3, 1, 1) = (\alpha^2, \alpha^{12}, 1, 1)
                                                                            P_{626} = (1, 6, 1, 1) = (1, \alpha^{13}, 1, 1)
P_{582} = (5, 3, 1, 1) = (\alpha^9, \alpha^{12}, 1, 1)
                                                                            P_{627} = (2, 6, 1, 1) = (\alpha, \alpha^{13}, 1, 1)
P_{583} = (6, 3, 1, 1) = (\alpha^{13}, \alpha^{12}, 1, 1)
                                                                            P_{628} = (3, 6, 1, 1) = (\alpha^{12}, \alpha^{13}, 1, 1)
                                                                            P_{629} = (4, 6, 1, 1) = (\alpha^2, \alpha^{13}, 1, 1)
P_{584} = (7, 3, 1, 1) = (\alpha^7, \alpha^{12}, 1, 1)
P_{585} = (8, 3, 1, 1) = (\alpha^3, \alpha^{12}, 1, 1)
                                                                            P_{630} = (5, 6, 1, 1) = (\alpha^9, \alpha^{13}, 1, 1)
P_{586} = (9, 3, 1, 1) = (\alpha^4, \alpha^{12}, 1, 1)
                                                                            P_{631} = (6, 6, 1, 1) = (\alpha^{13}, \alpha^{13}, 1, 1)
                                                                            P_{632} = (7, 6, 1, 1) = (\alpha^7, \alpha^{13}, 1, 1)
P_{587} = (10, 3, 1, 1) = (\alpha^{10}, \alpha^{12}, 1, 1)
                                                                            P_{633} = (8, 6, 1, 1) = (\alpha^3, \alpha^{13}, 1, 1)
P_{588} = (11, 3, 1, 1) = (\alpha^5, \alpha^{12}, 1, 1)
P_{589} = (12, 3, 1, 1) = (\alpha^{14}, \alpha^{12}, 1, 1)
                                                                            P_{634} = (9, 6, 1, 1) = (\alpha^4, \alpha^{13}, 1, 1)
P_{590} = (13, 3, 1, 1) = (\alpha^{11}, \alpha^{12}, 1, 1)
                                                                            P_{635} = (10, 6, 1, 1) = (\alpha^{10}, \alpha^{13}, 1, 1)
P_{591} = (14, 3, 1, 1) = (\alpha^8, \alpha^{12}, 1, 1)
                                                                            P_{636} = (11, 6, 1, 1) = (\alpha^5, \alpha^{13}, 1, 1)
P_{592} = (15, 3, 1, 1) = (\alpha^6, \alpha^{12}, 1, 1)
                                                                            P_{637} = (12, 6, 1, 1) = (\alpha^{14}, \alpha^{13}, 1, 1)
                                                                            P_{638} = (13, 6, 1, 1) = (\alpha^{11}, \alpha^{13}, 1, 1)
P_{593} = (0, 4, 1, 1) = (0, \alpha^2, 1, 1)
P_{594} = (1, 4, 1, 1) = (1, \alpha^2, 1, 1)
                                                                            P_{639} = (14, 6, 1, 1) = (\alpha^8, \alpha^{13}, 1, 1)
P_{595} = (2, 4, 1, 1) = (\alpha, \alpha^2, 1, 1)
                                                                            P_{640} = (15, 6, 1, 1) = (\alpha^6, \alpha^{13}, 1, 1)
P_{596} = (3, 4, 1, 1) = (\alpha^{12}, \alpha^2, 1, 1)
                                                                            P_{641} = (0, 7, 1, 1) = (0, \alpha^7, 1, 1)
P_{597} = (4, 4, 1, 1) = (\alpha^2, \alpha^2, 1, 1)
                                                                            P_{642} = (1, 7, 1, 1) = (1, \alpha^7, 1, 1)
P_{598} = (5, 4, 1, 1) = (\alpha^9, \alpha^2, 1, 1)
                                                                            P_{643} = (2, 7, 1, 1) = (\alpha, \alpha^7, 1, 1)
P_{599} = (6, 4, 1, 1) = (\alpha^{13}, \alpha^2, 1, 1)
                                                                            P_{644} = (3,7,1,1) = (\alpha^{12}, \alpha^7, 1, 1)
P_{600} = (7, 4, 1, 1) = (\alpha^7, \alpha^2, 1, 1)
                                                                            P_{645} = (4,7,1,1) = (\alpha^2, \alpha^7, 1, 1)
P_{601} = (8, 4, 1, 1) = (\alpha^3, \alpha^2, 1, 1)
                                                                            P_{646} = (5, 7, 1, 1) = (\alpha^9, \alpha^7, 1, 1)
P_{602} = (9, 4, 1, 1) = (\alpha^4, \alpha^2, 1, 1)
                                                                            P_{647} = (6,7,1,1) = (\alpha^{13}, \alpha^7, 1, 1)
P_{603} = (10, 4, 1, 1) = (\alpha^{10}, \alpha^2, 1, 1)
                                                                            P_{648} = (7, 7, 1, 1) = (\alpha^7, \alpha^7, 1, 1)
P_{604} = (11, 4, 1, 1) = (\alpha^5, \alpha^2, 1, 1)
                                                                            P_{649} = (8,7,1,1) = (\alpha^3, \alpha^7, 1, 1)
P_{605} = (12, 4, 1, 1) = (\alpha^{14}, \alpha^2, 1, 1)
                                                                            P_{650} = (9,7,1,1) = (\alpha^4, \alpha^7, 1, 1)
P_{606} = (13, 4, 1, 1) = (\alpha^{11}, \alpha^2, 1, 1)
                                                                            P_{651} = (10, 7, 1, 1) = (\alpha^{10}, \alpha^7, 1, 1)
                                                                            P_{652} = (11, 7, 1, 1) = (\alpha^5, \alpha^7, 1, 1)
P_{607} = (14, 4, 1, 1) = (\alpha^8, \alpha^2, 1, 1)
P_{608} = (15, 4, 1, 1) = (\alpha^6, \alpha^2, 1, 1)
                                                                            P_{653} = (12, 7, 1, 1) = (\alpha^{14}, \alpha^7, 1, 1)
                                                                            P_{654} = (13, 7, 1, 1) = (\alpha^{11}, \alpha^7, 1, 1)
P_{609} = (0, 5, 1, 1) = (0, \alpha^9, 1, 1)
P_{610} = (1, 5, 1, 1) = (1, \alpha^9, 1, 1)
                                                                            P_{655} = (14, 7, 1, 1) = (\alpha^8, \alpha^7, 1, 1)
                                                                            P_{656} = (15, 7, 1, 1) = (\alpha^6, \alpha^7, 1, 1)
P_{611} = (2, 5, 1, 1) = (\alpha, \alpha^9, 1, 1)
P_{612} = (3, 5, 1, 1) = (\alpha^{12}, \alpha^9, 1, 1)
                                                                            P_{657} = (0, 8, 1, 1) = (0, \alpha^3, 1, 1)
P_{613} = (4, 5, 1, 1) = (\alpha^2, \alpha^9, 1, 1)
                                                                            P_{658} = (1, 8, 1, 1) = (1, \alpha^3, 1, 1)
P_{614} = (5, 5, 1, 1) = (\alpha^9, \alpha^9, 1, 1)
                                                                            P_{659} = (2, 8, 1, 1) = (\alpha, \alpha^3, 1, 1)
P_{615} = (6, 5, 1, 1) = (\alpha^{13}, \alpha^9, 1, 1)
                                                                            P_{660} = (3, 8, 1, 1) = (\alpha^{12}, \alpha^3, 1, 1)
P_{616} = (7, 5, 1, 1) = (\alpha^7, \alpha^9, 1, 1)
                                                                            P_{661} = (4, 8, 1, 1) = (\alpha^2, \alpha^3, 1, 1)
P_{617} = (8, 5, 1, 1) = (\alpha^3, \alpha^9, 1, 1)
                                                                            P_{662} = (5, 8, 1, 1) = (\alpha^9, \alpha^3, 1, 1)
                                                                            P_{663} = (6, 8, 1, 1) = (\alpha^{13}, \alpha^3, 1, 1)
P_{618} = (9, 5, 1, 1) = (\alpha^4, \alpha^9, 1, 1)
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P_{664} = (7, 8, 1, 1) = (\alpha^7, \alpha^3, 1, 1)
                                                                            P_{709} = (4, 11, 1, 1) = (\alpha^2, \alpha^5, 1, 1)
P_{665} = (8, 8, 1, 1) = (\alpha^3, \alpha^3, 1, 1)
                                                                            P_{710} = (5, 11, 1, 1) = (\alpha^9, \alpha^5, 1, 1)
P_{666} = (9, 8, 1, 1) = (\alpha^4, \alpha^3, 1, 1)
                                                                            P_{711} = (6, 11, 1, 1) = (\alpha^{13}, \alpha^5, 1, 1)
P_{667} = (10, 8, 1, 1) = (\alpha^{10}, \alpha^3, 1, 1)
                                                                            P_{712} = (7, 11, 1, 1) = (\alpha^7, \alpha^5, 1, 1)
                                                                            P_{713} = (8, 11, 1, 1) = (\alpha^3, \alpha^5, 1, 1)
P_{668} = (11, 8, 1, 1) = (\alpha^5, \alpha^3, 1, 1)
                                                                            P_{714} = (9, 11, 1, 1) = (\alpha^4, \alpha^5, 1, 1)
P_{669} = (12, 8, 1, 1) = (\alpha^{14}, \alpha^3, 1, 1)
P_{670} = (13, 8, 1, 1) = (\alpha^{11}, \alpha^3, 1, 1)
                                                                            P_{715} = (10, 11, 1, 1) = (\alpha^{10}, \alpha^5, 1, 1)
P_{671} = (14, 8, 1, 1) = (\alpha^8, \alpha^3, 1, 1)
                                                                            P_{716} = (11, 11, 1, 1) = (\alpha^5, \alpha^5, 1, 1)
                                                                            P_{717} = (12, 11, 1, 1) = (\alpha^{14}, \alpha^5, 1, 1)
P_{672} = (15, 8, 1, 1) = (\alpha^6, \alpha^3, 1, 1)
                                                                            P_{718} = (13, 11, 1, 1) = (\alpha^{11}, \alpha^5, 1, 1)
P_{673} = (0, 9, 1, 1) = (0, \alpha^4, 1, 1)
                                                                            P_{719} = (14, 11, 1, 1) = (\alpha^8, \alpha^5, 1, 1)
P_{674} = (1, 9, 1, 1) = (1, \alpha^4, 1, 1)
P_{675} = (2, 9, 1, 1) = (\alpha, \alpha^4, 1, 1)
                                                                            P_{720} = (15, 11, 1, 1) = (\alpha^6, \alpha^5, 1, 1)
P_{676} = (3, 9, 1, 1) = (\alpha^{12}, \alpha^4, 1, 1)
                                                                            P_{721} = (0, 12, 1, 1) = (0, \alpha^{14}, 1, 1)
P_{677} = (4, 9, 1, 1) = (\alpha^2, \alpha^4, 1, 1)
                                                                            P_{722} = (1, 12, 1, 1) = (1, \alpha^{14}, 1, 1)
P_{678} = (5, 9, 1, 1) = (\alpha^9, \alpha^4, 1, 1)
                                                                            P_{723} = (2, 12, 1, 1) = (\alpha, \alpha^{14}, 1, 1)
P_{679} = (6, 9, 1, 1) = (\alpha^{13}, \alpha^4, 1, 1)
                                                                            P_{724} = (3, 12, 1, 1) = (\alpha^{12}, \alpha^{14}, 1, 1)
P_{680} = (7, 9, 1, 1) = (\alpha^7, \alpha^4, 1, 1)
                                                                            P_{725} = (4, 12, 1, 1) = (\alpha^2, \alpha^{14}, 1, 1)
P_{681} = (8, 9, 1, 1) = (\alpha^3, \alpha^4, 1, 1)
                                                                            P_{726} = (5, 12, 1, 1) = (\alpha^9, \alpha^{14}, 1, 1)
P_{682} = (9, 9, 1, 1) = (\alpha^4, \alpha^4, 1, 1)
                                                                            P_{727} = (6, 12, 1, 1) = (\alpha^{13}, \alpha^{14}, 1, 1)
P_{683} = (10, 9, 1, 1) = (\alpha^{10}, \alpha^4, 1, 1)
                                                                            P_{728} = (7, 12, 1, 1) = (\alpha^7, \alpha^{14}, 1, 1)
P_{684} = (11, 9, 1, 1) = (\alpha^5, \alpha^4, 1, 1)
                                                                            P_{729} = (8, 12, 1, 1) = (\alpha^3, \alpha^{14}, 1, 1)
P_{685} = (12, 9, 1, 1) = (\alpha^{14}, \alpha^4, 1, 1)
                                                                            P_{730} = (9, 12, 1, 1) = (\alpha^4, \alpha^{14}, 1, 1)
P_{686} = (13, 9, 1, 1) = (\alpha^{11}, \alpha^4, 1, 1)
                                                                            P_{731} = (10, 12, 1, 1) = (\alpha^{10}, \alpha^{14}, 1, 1)
P_{687} = (14, 9, 1, 1) = (\alpha^8, \alpha^4, 1, 1)
                                                                            P_{732} = (11, 12, 1, 1) = (\alpha^5, \alpha^{14}, 1, 1)
                                                                            P_{733} = (12, 12, 1, 1) = (\alpha^{14}, \alpha^{14}, 1, 1)
P_{688} = (15, 9, 1, 1) = (\alpha^6, \alpha^4, 1, 1)
                                                                            P_{734} = (13, 12, 1, 1) = (\alpha^{11}, \alpha^{14}, 1, 1)
P_{689} = (0, 10, 1, 1) = (0, \alpha^{10}, 1, 1)
P_{690} = (1, 10, 1, 1) = (1, \alpha^{10}, 1, 1)
                                                                            P_{735} = (14, 12, 1, 1) = (\alpha^8, \alpha^{14}, 1, 1)
P_{691} = (2, 10, 1, 1) = (\alpha, \alpha^{10}, 1, 1)
                                                                            P_{736} = (15, 12, 1, 1) = (\alpha^6, \alpha^{14}, 1, 1)
P_{692} = (3, 10, 1, 1) = (\alpha^{12}, \alpha^{10}, 1, 1)
                                                                            P_{737} = (0, 13, 1, 1) = (0, \alpha^{11}, 1, 1)
P_{693} = (4, 10, 1, 1) = (\alpha^2, \alpha^{10}, 1, 1)
                                                                            P_{738} = (1, 13, 1, 1) = (1, \alpha^{11}, 1, 1)
P_{694} = (5, 10, 1, 1) = (\alpha^9, \alpha^{10}, 1, 1)
                                                                            P_{739} = (2, 13, 1, 1) = (\alpha, \alpha^{11}, 1, 1)
P_{695} = (6, 10, 1, 1) = (\alpha^{13}, \alpha^{10}, 1, 1)
                                                                            P_{740} = (3, 13, 1, 1) = (\alpha^{12}, \alpha^{11}, 1, 1)
P_{696} = (7, 10, 1, 1) = (\alpha^7, \alpha^{10}, 1, 1)
                                                                            P_{741} = (4, 13, 1, 1) = (\alpha^2, \alpha^{11}, 1, 1)
P_{697} = (8, 10, 1, 1) = (\alpha^3, \alpha^{10}, 1, 1)
                                                                            P_{742} = (5, 13, 1, 1) = (\alpha^9, \alpha^{11}, 1, 1)
P_{698} = (9, 10, 1, 1) = (\alpha^4, \alpha^{10}, 1, 1)
                                                                            P_{743} = (6, 13, 1, 1) = (\alpha^{13}, \alpha^{11}, 1, 1)
P_{699} = (10, 10, 1, 1) = (\alpha^{10}, \alpha^{10}, 1, 1)
                                                                            P_{744} = (7, 13, 1, 1) = (\alpha^7, \alpha^{11}, 1, 1)
P_{700} = (11, 10, 1, 1) = (\alpha^5, \alpha^{10}, 1, 1)
                                                                            P_{745} = (8, 13, 1, 1) = (\alpha^3, \alpha^{11}, 1, 1)
P_{701} = (12, 10, 1, 1) = (\alpha^{14}, \alpha^{10}, 1, 1)
                                                                            P_{746} = (9, 13, 1, 1) = (\alpha^4, \alpha^{11}, 1, 1)
                                                                            P_{747} = (10, 13, 1, 1) = (\alpha^{10}, \alpha^{11}, 1, 1)
P_{702} = (13, 10, 1, 1) = (\alpha^{11}, \alpha^{10}, 1, 1)
P_{703} = (14, 10, 1, 1) = (\alpha^8, \alpha^{10}, 1, 1)
                                                                            P_{748} = (11, 13, 1, 1) = (\alpha^5, \alpha^{11}, 1, 1)
P_{704} = (15, 10, 1, 1) = (\alpha^6, \alpha^{10}, 1, 1)
                                                                            P_{749} = (12, 13, 1, 1) = (\alpha^{14}, \alpha^{11}, 1, 1)
                                                                            P_{750} = (13, 13, 1, 1) = (\alpha^{11}, \alpha^{11}, 1, 1)
P_{705} = (0, 11, 1, 1) = (0, \alpha^5, 1, 1)
P_{706} = (1, 11, 1, 1) = (1, \alpha^5, 1, 1)
                                                                            P_{751} = (14, 13, 1, 1) = (\alpha^8, \alpha^{11}, 1, 1)
                                                                            P_{752} = (15, 13, 1, 1) = (\alpha^6, \alpha^{11}, 1, 1)
P_{707} = (2, 11, 1, 1) = (\alpha, \alpha^5, 1, 1)
P_{708} = (3, 11, 1, 1) = (\alpha^{12}, \alpha^5, 1, 1)
                                                                            P_{753} = (0, 14, 1, 1) = (0, \alpha^8, 1, 1)
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P_{754} = (1, 14, 1, 1) = (1, \alpha^8, 1, 1)
                                                                             P_{799} = (14, 0, 2, 1) = (\alpha^8, 0, \alpha, 1)
P_{755} = (2, 14, 1, 1) = (\alpha, \alpha^8, 1, 1)
                                                                             P_{800} = (15, 0, 2, 1) = (\alpha^6, 0, \alpha, 1)
P_{756} = (3, 14, 1, 1) = (\alpha^{12}, \alpha^{8}, 1, 1)
                                                                             P_{801} = (0, 1, 2, 1) = (0, 1, \alpha, 1)
P_{757} = (4, 14, 1, 1) = (\alpha^2, \alpha^8, 1, 1)
                                                                             P_{802} = (1, 1, 2, 1) = (1, 1, \alpha, 1)
P_{758} = (5, 14, 1, 1) = (\alpha^9, \alpha^8, 1, 1)
                                                                             P_{803} = (2, 1, 2, 1) = (\alpha, 1, \alpha, 1)
P_{759} = (6, 14, 1, 1) = (\alpha^{13}, \alpha^{8}, 1, 1)
                                                                             P_{804} = (3, 1, 2, 1) = (\alpha^{12}, 1, \alpha, 1)
P_{760} = (7, 14, 1, 1) = (\alpha^7, \alpha^8, 1, 1)
                                                                             P_{805} = (4, 1, 2, 1) = (\alpha^2, 1, \alpha, 1)
P_{761} = (8, 14, 1, 1) = (\alpha^3, \alpha^8, 1, 1)
                                                                             P_{806} = (5, 1, 2, 1) = (\alpha^9, 1, \alpha, 1)
                                                                             P_{807} = (6, 1, 2, 1) = (\alpha^{13}, 1, \alpha, 1)
P_{762} = (9, 14, 1, 1) = (\alpha^4, \alpha^8, 1, 1)
P_{763} = (10, 14, 1, 1) = (\alpha^{10}, \alpha^{8}, 1, 1)
                                                                             P_{808} = (7, 1, 2, 1) = (\alpha^7, 1, \alpha, 1)
P_{764} = (11, 14, 1, 1) = (\alpha^5, \alpha^8, 1, 1)
                                                                             P_{809} = (8, 1, 2, 1) = (\alpha^3, 1, \alpha, 1)
P_{765} = (12, 14, 1, 1) = (\alpha^{14}, \alpha^{8}, 1, 1)
                                                                             P_{810} = (9, 1, 2, 1) = (\alpha^4, 1, \alpha, 1)
P_{766} = (13, 14, 1, 1) = (\alpha^{11}, \alpha^{8}, 1, 1)
                                                                             P_{811} = (10, 1, 2, 1) = (\alpha^{10}, 1, \alpha, 1)
                                                                             P_{812} = (11, 1, 2, 1) = (\alpha^5, 1, \alpha, 1)
P_{767} = (14, 14, 1, 1) = (\alpha^8, \alpha^8, 1, 1)
P_{768} = (15, 14, 1, 1) = (\alpha^6, \alpha^8, 1, 1)
                                                                             P_{813} = (12, 1, 2, 1) = (\alpha^{14}, 1, \alpha, 1)
                                                                             P_{814} = (13, 1, 2, 1) = (\alpha^{11}, 1, \alpha, 1)
P_{769} = (0, 15, 1, 1) = (0, \alpha^6, 1, 1)
P_{770} = (1, 15, 1, 1) = (1, \alpha^6, 1, 1)
                                                                             P_{815} = (14, 1, 2, 1) = (\alpha^8, 1, \alpha, 1)
P_{771} = (2, 15, 1, 1) = (\alpha, \alpha^6, 1, 1)
                                                                             P_{816} = (15, 1, 2, 1) = (\alpha^6, 1, \alpha, 1)
P_{772} = (3, 15, 1, 1) = (\alpha^{12}, \alpha^6, 1, 1)
                                                                             P_{817} = (0, 2, 2, 1) = (0, \alpha, \alpha, 1)
P_{773} = (4, 15, 1, 1) = (\alpha^2, \alpha^6, 1, 1)
                                                                             P_{818} = (1, 2, 2, 1) = (1, \alpha, \alpha, 1)
P_{774} = (5, 15, 1, 1) = (\alpha^9, \alpha^6, 1, 1)
                                                                             P_{819} = (2, 2, 2, 1) = (\alpha, \alpha, \alpha, 1)
P_{775} = (6, 15, 1, 1) = (\alpha^{13}, \alpha^6, 1, 1)
                                                                             P_{820} = (3, 2, 2, 1) = (\alpha^{12}, \alpha, \alpha, 1)
P_{776} = (7, 15, 1, 1) = (\alpha^7, \alpha^6, 1, 1)
                                                                             P_{821} = (4, 2, 2, 1) = (\alpha^2, \alpha, \alpha, 1)
P_{777} = (8, 15, 1, 1) = (\alpha^3, \alpha^6, 1, 1)
                                                                             P_{822} = (5, 2, 2, 1) = (\alpha^9, \alpha, \alpha, 1)
P_{778} = (9, 15, 1, 1) = (\alpha^4, \alpha^6, 1, 1)
                                                                             P_{823} = (6, 2, 2, 1) = (\alpha^{13}, \alpha, \alpha, 1)
P_{779} = (10, 15, 1, 1) = (\alpha^{10}, \alpha^6, 1, 1)
                                                                             P_{824} = (7, 2, 2, 1) = (\alpha^7, \alpha, \alpha, 1)
P_{780} = (11, 15, 1, 1) = (\alpha^5, \alpha^6, 1, 1)
                                                                             P_{825} = (8, 2, 2, 1) = (\alpha^3, \alpha, \alpha, 1)
P_{781} = (12, 15, 1, 1) = (\alpha^{14}, \alpha^6, 1, 1)
                                                                             P_{826} = (9, 2, 2, 1) = (\alpha^4, \alpha, \alpha, 1)
P_{782} = (13, 15, 1, 1) = (\alpha^{11}, \alpha^6, 1, 1)
                                                                             P_{827} = (10, 2, 2, 1) = (\alpha^{10}, \alpha, \alpha, 1)
P_{783} = (14, 15, 1, 1) = (\alpha^8, \alpha^6, 1, 1)
                                                                             P_{828} = (11, 2, 2, 1) = (\alpha^5, \alpha, \alpha, 1)
                                                                             P_{829} = (12, 2, 2, 1) = (\alpha^{14}, \alpha, \alpha, 1)
P_{784} = (15, 15, 1, 1) = (\alpha^6, \alpha^6, 1, 1)
                                                                             P_{830} = (13, 2, 2, 1) = (\alpha^{11}, \alpha, \alpha, 1)
P_{785} = (0, 0, 2, 1) = (0, 0, \alpha, 1)
                                                                             P_{831} = (14, 2, 2, 1) = (\alpha^8, \alpha, \alpha, 1)
P_{786} = (1, 0, 2, 1) = (1, 0, \alpha, 1)
                                                                             P_{832} = (15, 2, 2, 1) = (\alpha^6, \alpha, \alpha, 1)
P_{787} = (2, 0, 2, 1) = (\alpha, 0, \alpha, 1)
P_{788} = (3, 0, 2, 1) = (\alpha^{12}, 0, \alpha, 1)
                                                                             P_{833} = (0, 3, 2, 1) = (0, \alpha^{12}, \alpha, 1)
P_{789} = (4, 0, 2, 1) = (\alpha^2, 0, \alpha, 1)
                                                                             P_{834} = (1, 3, 2, 1) = (1, \alpha^{12}, \alpha, 1)
P_{790} = (5, 0, 2, 1) = (\alpha^9, 0, \alpha, 1)
                                                                             P_{835} = (2, 3, 2, 1) = (\alpha, \alpha^{12}, \alpha, 1)
P_{791} = (6, 0, 2, 1) = (\alpha^{13}, 0, \alpha, 1)
                                                                             P_{836} = (3, 3, 2, 1) = (\alpha^{12}, \alpha^{12}, \alpha, 1)
                                                                             P_{837} = (4, 3, 2, 1) = (\alpha^2, \alpha^{12}, \alpha, 1)
P_{792} = (7, 0, 2, 1) = (\alpha^7, 0, \alpha, 1)
                                                                             P_{838} = (5, 3, 2, 1) = (\alpha^9, \alpha^{12}, \alpha, 1)
P_{793} = (8, 0, 2, 1) = (\alpha^3, 0, \alpha, 1)
                                                                             P_{839} = (6, 3, 2, 1) = (\alpha^{13}, \alpha^{12}, \alpha, 1)
P_{794} = (9, 0, 2, 1) = (\alpha^4, 0, \alpha, 1)
P_{795} = (10, 0, 2, 1) = (\alpha^{10}, 0, \alpha, 1)
                                                                             P_{840} = (7, 3, 2, 1) = (\alpha^7, \alpha^{12}, \alpha, 1)
                                                                             P_{841} = (8, 3, 2, 1) = (\alpha^3, \alpha^{12}, \alpha, 1)
P_{796} = (11, 0, 2, 1) = (\alpha^5, 0, \alpha, 1)
P_{797} = (12, 0, 2, 1) = (\alpha^{14}, 0, \alpha, 1)
                                                                             P_{842} = (9, 3, 2, 1) = (\alpha^4, \alpha^{12}, \alpha, 1)
                                                                             P_{843} = (10, 3, 2, 1) = (\alpha^{10}, \alpha^{12}, \alpha, 1)
P_{798} = (13, 0, 2, 1) = (\alpha^{11}, 0, \alpha, 1)
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P_{889} = (8, 6, 2, 1) = (\alpha^3, \alpha^{13}, \alpha, 1)
P_{844} = (11, 3, 2, 1) = (\alpha^5, \alpha^{12}, \alpha, 1)
P_{845} = (12, 3, 2, 1) = (\alpha^{14}, \alpha^{12}, \alpha, 1)
                                                                                  P_{890} = (9, 6, 2, 1) = (\alpha^4, \alpha^{13}, \alpha, 1)
P_{846} = (13, 3, 2, 1) = (\alpha^{11}, \alpha^{12}, \alpha, 1)
                                                                                  P_{891} = (10, 6, 2, 1) = (\alpha^{10}, \alpha^{13}, \alpha, 1)
                                                                                  P_{892} = (11, 6, 2, 1) = (\alpha^5, \alpha^{13}, \alpha, 1)
P_{847} = (14, 3, 2, 1) = (\alpha^8, \alpha^{12}, \alpha, 1)
                                                                                  P_{893} = (12, 6, 2, 1) = (\alpha^{14}, \alpha^{13}, \alpha, 1)
P_{848} = (15, 3, 2, 1) = (\alpha^6, \alpha^{12}, \alpha, 1)
                                                                                  P_{894} = (13, 6, 2, 1) = (\alpha^{11}, \alpha^{13}, \alpha, 1)
P_{849} = (0, 4, 2, 1) = (0, \alpha^2, \alpha, 1)
                                                                                  P_{895} = (14, 6, 2, 1) = (\alpha^8, \alpha^{13}, \alpha, 1)
P_{850} = (1, 4, 2, 1) = (1, \alpha^2, \alpha, 1)
P_{851} = (2, 4, 2, 1) = (\alpha, \alpha^2, \alpha, 1)
                                                                                  P_{896} = (15, 6, 2, 1) = (\alpha^6, \alpha^{13}, \alpha, 1)
P_{852} = (3, 4, 2, 1) = (\alpha^{12}, \alpha^2, \alpha, 1)
                                                                                  P_{897} = (0,7,2,1) = (0,\alpha^7,\alpha,1)
P_{853} = (4, 4, 2, 1) = (\alpha^2, \alpha^2, \alpha, 1)
                                                                                  P_{898} = (1, 7, 2, 1) = (1, \alpha^7, \alpha, 1)
P_{854} = (5, 4, 2, 1) = (\alpha^9, \alpha^2, \alpha, 1)
                                                                                  P_{899} = (2,7,2,1) = (\alpha, \alpha^7, \alpha, 1)
                                                                                  P_{900} = (3, 7, 2, 1) = (\alpha^{12}, \alpha^7, \alpha, 1)
P_{855} = (6, 4, 2, 1) = (\alpha^{13}, \alpha^2, \alpha, 1)
P_{856} = (7, 4, 2, 1) = (\alpha^7, \alpha^2, \alpha, 1)
                                                                                  P_{901} = (4,7,2,1) = (\alpha^2, \alpha^7, \alpha, 1)
P_{857} = (8, 4, 2, 1) = (\alpha^3, \alpha^2, \alpha, 1)
                                                                                  P_{902} = (5,7,2,1) = (\alpha^9, \alpha^7, \alpha, 1)
P_{858} = (9, 4, 2, 1) = (\alpha^4, \alpha^2, \alpha, 1)
                                                                                  P_{903} = (6, 7, 2, 1) = (\alpha^{13}, \alpha^7, \alpha, 1)
P_{859} = (10, 4, 2, 1) = (\alpha^{10}, \alpha^2, \alpha, 1)
                                                                                  P_{904} = (7,7,2,1) = (\alpha^7, \alpha^7, \alpha, 1)
P_{860} = (11, 4, 2, 1) = (\alpha^5, \alpha^2, \alpha, 1)
                                                                                  P_{905} = (8,7,2,1) = (\alpha^3, \alpha^7, \alpha, 1)
P_{861} = (12, 4, 2, 1) = (\alpha^{14}, \alpha^2, \alpha, 1)
                                                                                  P_{906} = (9,7,2,1) = (\alpha^4, \alpha^7, \alpha, 1)
P_{862} = (13, 4, 2, 1) = (\alpha^{11}, \alpha^2, \alpha, 1)
                                                                                  P_{907} = (10, 7, 2, 1) = (\alpha^{10}, \alpha^7, \alpha, 1)
P_{863} = (14, 4, 2, 1) = (\alpha^8, \alpha^2, \alpha, 1)
                                                                                  P_{908} = (11, 7, 2, 1) = (\alpha^5, \alpha^7, \alpha, 1)
P_{864} = (15, 4, 2, 1) = (\alpha^6, \alpha^2, \alpha, 1)
                                                                                  P_{909} = (12, 7, 2, 1) = (\alpha^{14}, \alpha^7, \alpha, 1)
P_{865} = (0, 5, 2, 1) = (0, \alpha^9, \alpha, 1)
                                                                                  P_{910} = (13, 7, 2, 1) = (\alpha^{11}, \alpha^7, \alpha, 1)
P_{866} = (1, 5, 2, 1) = (1, \alpha^9, \alpha, 1)
                                                                                  P_{911} = (14, 7, 2, 1) = (\alpha^8, \alpha^7, \alpha, 1)
                                                                                  P_{912} = (15, 7, 2, 1) = (\alpha^6, \alpha^7, \alpha, 1)
P_{867} = (2, 5, 2, 1) = (\alpha, \alpha^9, \alpha, 1)
P_{868} = (3, 5, 2, 1) = (\alpha^{12}, \alpha^9, \alpha, 1)
                                                                                  P_{913} = (0, 8, 2, 1) = (0, \alpha^3, \alpha, 1)
P_{869} = (4, 5, 2, 1) = (\alpha^2, \alpha^9, \alpha, 1)
                                                                                  P_{914} = (1, 8, 2, 1) = (1, \alpha^3, \alpha, 1)
P_{870} = (5, 5, 2, 1) = (\alpha^9, \alpha^9, \alpha, 1)
                                                                                  P_{915} = (2, 8, 2, 1) = (\alpha, \alpha^3, \alpha, 1)
                                                                                  P_{916} = (3, 8, 2, 1) = (\alpha^{12}, \alpha^3, \alpha, 1)
P_{871} = (6, 5, 2, 1) = (\alpha^{13}, \alpha^9, \alpha, 1)
P_{872} = (7, 5, 2, 1) = (\alpha^7, \alpha^9, \alpha, 1)
                                                                                  P_{917} = (4, 8, 2, 1) = (\alpha^2, \alpha^3, \alpha, 1)
                                                                                  P_{918} = (5, 8, 2, 1) = (\alpha^9, \alpha^3, \alpha, 1)
P_{873} = (8, 5, 2, 1) = (\alpha^3, \alpha^9, \alpha, 1)
                                                                                  P_{919} = (6, 8, 2, 1) = (\alpha^{13}, \alpha^3, \alpha, 1)
P_{874} = (9, 5, 2, 1) = (\alpha^4, \alpha^9, \alpha, 1)
P_{875} = (10, 5, 2, 1) = (\alpha^{10}, \alpha^9, \alpha, 1)
                                                                                  P_{920} = (7, 8, 2, 1) = (\alpha^7, \alpha^3, \alpha, 1)
P_{876} = (11, 5, 2, 1) = (\alpha^5, \alpha^9, \alpha, 1)
                                                                                  P_{921} = (8, 8, 2, 1) = (\alpha^3, \alpha^3, \alpha, 1)
P_{877} = (12, 5, 2, 1) = (\alpha^{14}, \alpha^9, \alpha, 1)
                                                                                  P_{922} = (9, 8, 2, 1) = (\alpha^4, \alpha^3, \alpha, 1)
P_{878} = (13, 5, 2, 1) = (\alpha^{11}, \alpha^9, \alpha, 1)
                                                                                  P_{923} = (10, 8, 2, 1) = (\alpha^{10}, \alpha^3, \alpha, 1)
P_{879} = (14, 5, 2, 1) = (\alpha^8, \alpha^9, \alpha, 1)
                                                                                  P_{924} = (11, 8, 2, 1) = (\alpha^5, \alpha^3, \alpha, 1)
P_{880} = (15, 5, 2, 1) = (\alpha^6, \alpha^9, \alpha, 1)
                                                                                  P_{925} = (12, 8, 2, 1) = (\alpha^{14}, \alpha^3, \alpha, 1)
P_{881} = (0, 6, 2, 1) = (0, \alpha^{13}, \alpha, 1)
                                                                                  P_{926} = (13, 8, 2, 1) = (\alpha^{11}, \alpha^3, \alpha, 1)
P_{882} = (1, 6, 2, 1) = (1, \alpha^{13}, \alpha, 1)
                                                                                  P_{927} = (14, 8, 2, 1) = (\alpha^8, \alpha^3, \alpha, 1)
P_{883} = (2, 6, 2, 1) = (\alpha, \alpha^{13}, \alpha, 1)
                                                                                  P_{928} = (15, 8, 2, 1) = (\alpha^6, \alpha^3, \alpha, 1)
P_{884} = (3, 6, 2, 1) = (\alpha^{12}, \alpha^{13}, \alpha, 1)
                                                                                  P_{929} = (0, 9, 2, 1) = (0, \alpha^4, \alpha, 1)
P_{885} = (4, 6, 2, 1) = (\alpha^2, \alpha^{13}, \alpha, 1)
                                                                                  P_{930} = (1, 9, 2, 1) = (1, \alpha^4, \alpha, 1)
P_{886} = (5, 6, 2, 1) = (\alpha^9, \alpha^{13}, \alpha, 1)
                                                                                  P_{931} = (2, 9, 2, 1) = (\alpha, \alpha^4, \alpha, 1)
                                                                                  P_{932} = (3, 9, 2, 1) = (\alpha^{12}, \alpha^4, \alpha, 1)
P_{887} = (6, 6, 2, 1) = (\alpha^{13}, \alpha^{13}, \alpha, 1)
P_{888} = (7, 6, 2, 1) = (\alpha^7, \alpha^{13}, \alpha, 1)
                                                                                  P_{933} = (4, 9, 2, 1) = (\alpha^2, \alpha^4, \alpha, 1)
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P_{934} = (5, 9, 2, 1) = (\alpha^9, \alpha^4, \alpha, 1)
                                                                                  P_{979} = (2, 12, 2, 1) = (\alpha, \alpha^{14}, \alpha, 1)
                                                                                  P_{980} = (3, 12, 2, 1) = (\alpha^{12}, \alpha^{14}, \alpha, 1)
P_{935} = (6, 9, 2, 1) = (\alpha^{13}, \alpha^4, \alpha, 1)
P_{936} = (7, 9, 2, 1) = (\alpha^7, \alpha^4, \alpha, 1)
                                                                                  P_{981} = (4, 12, 2, 1) = (\alpha^2, \alpha^{14}, \alpha, 1)
                                                                                  P_{982} = (5, 12, 2, 1) = (\alpha^9, \alpha^{14}, \alpha, 1)
P_{937} = (8, 9, 2, 1) = (\alpha^3, \alpha^4, \alpha, 1)
P_{938} = (9, 9, 2, 1) = (\alpha^4, \alpha^4, \alpha, 1)
                                                                                  P_{983} = (6, 12, 2, 1) = (\alpha^{13}, \alpha^{14}, \alpha, 1)
P_{939} = (10, 9, 2, 1) = (\alpha^{10}, \alpha^4, \alpha, 1)
                                                                                  P_{984} = (7, 12, 2, 1) = (\alpha^7, \alpha^{14}, \alpha, 1)
P_{940} = (11, 9, 2, 1) = (\alpha^5, \alpha^4, \alpha, 1)
                                                                                  P_{985} = (8, 12, 2, 1) = (\alpha^3, \alpha^{14}, \alpha, 1)
P_{941} = (12, 9, 2, 1) = (\alpha^{14}, \alpha^4, \alpha, 1)
                                                                                  P_{986} = (9, 12, 2, 1) = (\alpha^4, \alpha^{14}, \alpha, 1)
P_{942} = (13, 9, 2, 1) = (\alpha^{11}, \alpha^4, \alpha, 1)
                                                                                  P_{987} = (10, 12, 2, 1) = (\alpha^{10}, \alpha^{14}, \alpha, 1)
                                                                                  P_{988} = (11, 12, 2, 1) = (\alpha^5, \alpha^{14}, \alpha, 1)
P_{943} = (14, 9, 2, 1) = (\alpha^8, \alpha^4, \alpha, 1)
P_{944} = (15, 9, 2, 1) = (\alpha^6, \alpha^4, \alpha, 1)
                                                                                  P_{989} = (12, 12, 2, 1) = (\alpha^{14}, \alpha^{14}, \alpha, 1)
P_{945} = (0, 10, 2, 1) = (0, \alpha^{10}, \alpha, 1)
                                                                                  P_{990} = (13, 12, 2, 1) = (\alpha^{11}, \alpha^{14}, \alpha, 1)
P_{946} = (1, 10, 2, 1) = (1, \alpha^{10}, \alpha, 1)
                                                                                  P_{991} = (14, 12, 2, 1) = (\alpha^8, \alpha^{14}, \alpha, 1)
P_{947} = (2, 10, 2, 1) = (\alpha, \alpha^{10}, \alpha, 1)
                                                                                  P_{992} = (15, 12, 2, 1) = (\alpha^6, \alpha^{14}, \alpha, 1)
P_{948} = (3, 10, 2, 1) = (\alpha^{12}, \alpha^{10}, \alpha, 1)
                                                                                  P_{993} = (0, 13, 2, 1) = (0, \alpha^{11}, \alpha, 1)
P_{949} = (4, 10, 2, 1) = (\alpha^2, \alpha^{10}, \alpha, 1)
                                                                                  P_{994} = (1, 13, 2, 1) = (1, \alpha^{11}, \alpha, 1)
P_{950} = (5, 10, 2, 1) = (\alpha^9, \alpha^{10}, \alpha, 1)
                                                                                  P_{995} = (2, 13, 2, 1) = (\alpha, \alpha^{11}, \alpha, 1)
P_{951} = (6, 10, 2, 1) = (\alpha^{13}, \alpha^{10}, \alpha, 1)
                                                                                  P_{996} = (3, 13, 2, 1) = (\alpha^{12}, \alpha^{11}, \alpha, 1)
                                                                                  P_{997} = (4, 13, 2, 1) = (\alpha^2, \alpha^{11}, \alpha, 1)
P_{952} = (7, 10, 2, 1) = (\alpha^7, \alpha^{10}, \alpha, 1)
P_{953} = (8, 10, 2, 1) = (\alpha^3, \alpha^{10}, \alpha, 1)
                                                                                  P_{998} = (5, 13, 2, 1) = (\alpha^9, \alpha^{11}, \alpha, 1)
P_{954} = (9, 10, 2, 1) = (\alpha^4, \alpha^{10}, \alpha, 1)
                                                                                  P_{999} = (6, 13, 2, 1) = (\alpha^{13}, \alpha^{11}, \alpha, 1)
P_{955} = (10, 10, 2, 1) = (\alpha^{10}, \alpha^{10}, \alpha, 1)
                                                                                  P_{1000} = (7, 13, 2, 1) = (\alpha^7, \alpha^{11}, \alpha, 1)
P_{956} = (11, 10, 2, 1) = (\alpha^5, \alpha^{10}, \alpha, 1)
                                                                                  P_{1001} = (8, 13, 2, 1) = (\alpha^3, \alpha^{11}, \alpha, 1)
                                                                                  P_{1002} = (9, 13, 2, 1) = (\alpha^4, \alpha^{11}, \alpha, 1)
P_{957} = (12, 10, 2, 1) = (\alpha^{14}, \alpha^{10}, \alpha, 1)
P_{958} = (13, 10, 2, 1) = (\alpha^{11}, \alpha^{10}, \alpha, 1)
                                                                                  P_{1003} = (10, 13, 2, 1) = (\alpha^{10}, \alpha^{11}, \alpha, 1)
P_{959} = (14, 10, 2, 1) = (\alpha^8, \alpha^{10}, \alpha, 1)
                                                                                  P_{1004} = (11, 13, 2, 1) = (\alpha^5, \alpha^{11}, \alpha, 1)
P_{960} = (15, 10, 2, 1) = (\alpha^6, \alpha^{10}, \alpha, 1)
                                                                                  P_{1005} = (12, 13, 2, 1) = (\alpha^{14}, \alpha^{11}, \alpha, 1)
                                                                                  P_{1006} = (13, 13, 2, 1) = (\alpha^{11}, \alpha^{11}, \alpha, 1)
P_{961} = (0, 11, 2, 1) = (0, \alpha^5, \alpha, 1)
P_{962} = (1, 11, 2, 1) = (1, \alpha^5, \alpha, 1)
                                                                                  P_{1007} = (14, 13, 2, 1) = (\alpha^8, \alpha^{11}, \alpha, 1)
P_{963} = (2, 11, 2, 1) = (\alpha, \alpha^5, \alpha, 1)
                                                                                  P_{1008} = (15, 13, 2, 1) = (\alpha^6, \alpha^{11}, \alpha, 1)
P_{964} = (3, 11, 2, 1) = (\alpha^{12}, \alpha^5, \alpha, 1)
                                                                                  P_{1009} = (0, 14, 2, 1) = (0, \alpha^8, \alpha, 1)
P_{965} = (4, 11, 2, 1) = (\alpha^2, \alpha^5, \alpha, 1)
                                                                                  P_{1010} = (1, 14, 2, 1) = (1, \alpha^8, \alpha, 1)
P_{966} = (5, 11, 2, 1) = (\alpha^9, \alpha^5, \alpha, 1)
                                                                                  P_{1011} = (2, 14, 2, 1) = (\alpha, \alpha^8, \alpha, 1)
P_{967} = (6, 11, 2, 1) = (\alpha^{13}, \alpha^5, \alpha, 1)
                                                                                  P_{1012} = (3, 14, 2, 1) = (\alpha^{12}, \alpha^8, \alpha, 1)
                                                                                  P_{1013} = (4, 14, 2, 1) = (\alpha^2, \alpha^8, \alpha, 1)
P_{968} = (7, 11, 2, 1) = (\alpha^7, \alpha^5, \alpha, 1)
P_{969} = (8, 11, 2, 1) = (\alpha^3, \alpha^5, \alpha, 1)
                                                                                  P_{1014} = (5, 14, 2, 1) = (\alpha^9, \alpha^8, \alpha, 1)
                                                                                  P_{1015} = (6, 14, 2, 1) = (\alpha^{13}, \alpha^{8}, \alpha, 1)
P_{970} = (9, 11, 2, 1) = (\alpha^4, \alpha^5, \alpha, 1)
P_{971} = (10, 11, 2, 1) = (\alpha^{10}, \alpha^5, \alpha, 1)
                                                                                  P_{1016} = (7, 14, 2, 1) = (\alpha^7, \alpha^8, \alpha, 1)
P_{972} = (11, 11, 2, 1) = (\alpha^5, \alpha^5, \alpha, 1)
                                                                                  P_{1017} = (8, 14, 2, 1) = (\alpha^3, \alpha^8, \alpha, 1)
P_{973} = (12, 11, 2, 1) = (\alpha^{14}, \alpha^5, \alpha, 1)
                                                                                  P_{1018} = (9, 14, 2, 1) = (\alpha^4, \alpha^8, \alpha, 1)
                                                                                  P_{1019} = (10, 14, 2, 1) = (\alpha^{10}, \alpha^{8}, \alpha, 1)
P_{974} = (13, 11, 2, 1) = (\alpha^{11}, \alpha^5, \alpha, 1)
                                                                                  P_{1020} = (11, 14, 2, 1) = (\alpha^5, \alpha^8, \alpha, 1)
P_{975} = (14, 11, 2, 1) = (\alpha^8, \alpha^5, \alpha, 1)
P_{976} = (15, 11, 2, 1) = (\alpha^6, \alpha^5, \alpha, 1)
                                                                                  P_{1021} = (12, 14, 2, 1) = (\alpha^{14}, \alpha^{8}, \alpha, 1)
P_{977} = (0, 12, 2, 1) = (0, \alpha^{14}, \alpha, 1)
                                                                                  P_{1022} = (13, 14, 2, 1) = (\alpha^{11}, \alpha^8, \alpha, 1)
P_{978} = (1, 12, 2, 1) = (1, \alpha^{14}, \alpha, 1)
                                                                                  P_{1023} = (14, 14, 2, 1) = (\alpha^8, \alpha^8, \alpha, 1)
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P_{1024} = (15, 14, 2, 1) = (\alpha^6, \alpha^8, \alpha, 1)
                                                                                 P_{1069} = (12, 1, 3, 1) = (\alpha^{14}, 1, \alpha^{12}, 1)
P_{1025} = (0, 15, 2, 1) = (0, \alpha^6, \alpha, 1)
                                                                                 P_{1070} = (13, 1, 3, 1) = (\alpha^{11}, 1, \alpha^{12}, 1)
P_{1026} = (1, 15, 2, 1) = (1, \alpha^6, \alpha, 1)
                                                                                 P_{1071} = (14, 1, 3, 1) = (\alpha^8, 1, \alpha^{12}, 1)
P_{1027} = (2, 15, 2, 1) = (\alpha, \alpha^6, \alpha, 1)
                                                                                 P_{1072} = (15, 1, 3, 1) = (\alpha^6, 1, \alpha^{12}, 1)
P_{1028} = (3, 15, 2, 1) = (\alpha^{12}, \alpha^6, \alpha, 1)
                                                                                 P_{1073} = (0, 2, 3, 1) = (0, \alpha, \alpha^{12}, 1)
P_{1029} = (4, 15, 2, 1) = (\alpha^2, \alpha^6, \alpha, 1)
                                                                                 P_{1074} = (1, 2, 3, 1) = (1, \alpha, \alpha^{12}, 1)
P_{1030} = (5, 15, 2, 1) = (\alpha^9, \alpha^6, \alpha, 1)
                                                                                 P_{1075} = (2, 2, 3, 1) = (\alpha, \alpha, \alpha^{12}, 1)
                                                                                 P_{1076} = (3, 2, 3, 1) = (\alpha^{12}, \alpha, \alpha^{12}, 1)
P_{1031} = (6, 15, 2, 1) = (\alpha^{13}, \alpha^6, \alpha, 1)
                                                                                 P_{1077} = (4, 2, 3, 1) = (\alpha^2, \alpha, \alpha^{12}, 1)
P_{1032} = (7, 15, 2, 1) = (\alpha^7, \alpha^6, \alpha, 1)
P_{1033} = (8, 15, 2, 1) = (\alpha^3, \alpha^6, \alpha, 1)
                                                                                 P_{1078} = (5, 2, 3, 1) = (\alpha^9, \alpha, \alpha^{12}, 1)
                                                                                 P_{1079} = (6, 2, 3, 1) = (\alpha^{13}, \alpha, \alpha^{12}, 1)
P_{1034} = (9, 15, 2, 1) = (\alpha^4, \alpha^6, \alpha, 1)
P_{1035} = (10, 15, 2, 1) = (\alpha^{10}, \alpha^6, \alpha, 1)
                                                                                 P_{1080} = (7, 2, 3, 1) = (\alpha^7, \alpha, \alpha^{12}, 1)
                                                                                 P_{1081} = (8, 2, 3, 1) = (\alpha^3, \alpha, \alpha^{12}, 1)
P_{1036} = (11, 15, 2, 1) = (\alpha^5, \alpha^6, \alpha, 1)
                                                                                 P_{1082} = (9, 2, 3, 1) = (\alpha^4, \alpha, \alpha^{12}, 1)
P_{1037} = (12, 15, 2, 1) = (\alpha^{14}, \alpha^{6}, \alpha, 1)
P_{1038} = (13, 15, 2, 1) = (\alpha^{11}, \alpha^6, \alpha, 1)
                                                                                 P_{1083} = (10, 2, 3, 1) = (\alpha^{10}, \alpha, \alpha^{12}, 1)
P_{1039} = (14, 15, 2, 1) = (\alpha^8, \alpha^6, \alpha, 1)
                                                                                 P_{1084} = (11, 2, 3, 1) = (\alpha^5, \alpha, \alpha^{12}, 1)
                                                                                 P_{1085} = (12, 2, 3, 1) = (\alpha^{14}, \alpha, \alpha^{12}, 1)
P_{1040} = (15, 15, 2, 1) = (\alpha^6, \alpha^6, \alpha, 1)
P_{1041} = (0, 0, 3, 1) = (0, 0, \alpha^{12}, 1)
                                                                                 P_{1086} = (13, 2, 3, 1) = (\alpha^{11}, \alpha, \alpha^{12}, 1)
                                                                                 P_{1087} = (14, 2, 3, 1) = (\alpha^8, \alpha, \alpha^{12}, 1)
P_{1042} = (1, 0, 3, 1) = (1, 0, \alpha^{12}, 1)
P_{1043} = (2, 0, 3, 1) = (\alpha, 0, \alpha^{12}, 1)
                                                                                 P_{1088} = (15, 2, 3, 1) = (\alpha^6, \alpha, \alpha^{12}, 1)
P_{1044} = (3, 0, 3, 1) = (\alpha^{12}, 0, \alpha^{12}, 1)
                                                                                 P_{1089} = (0, 3, 3, 1) = (0, \alpha^{12}, \alpha^{12}, 1)
                                                                                 P_{1090} = (1, 3, 3, 1) = (1, \alpha^{12}, \alpha^{12}, 1)
P_{1045} = (4, 0, 3, 1) = (\alpha^2, 0, \alpha^{12}, 1)
P_{1046} = (5, 0, 3, 1) = (\alpha^9, 0, \alpha^{12}, 1)
                                                                                 P_{1091} = (2, 3, 3, 1) = (\alpha, \alpha^{12}, \alpha^{12}, 1)
                                                                                 P_{1092} = (3, 3, 3, 1) = (\alpha^{12}, \alpha^{12}, \alpha^{12}, 1)
P_{1047} = (6, 0, 3, 1) = (\alpha^{13}, 0, \alpha^{12}, 1)
                                                                                 P_{1093} = (4, 3, 3, 1) = (\alpha^2, \alpha^{12}, \alpha^{12}, 1)
P_{1048} = (7, 0, 3, 1) = (\alpha^7, 0, \alpha^{12}, 1)
                                                                                 P_{1094} = (5, 3, 3, 1) = (\alpha^9, \alpha^{12}, \alpha^{12}, 1)
P_{1049} = (8, 0, 3, 1) = (\alpha^3, 0, \alpha^{12}, 1)
P_{1050} = (9, 0, 3, 1) = (\alpha^4, 0, \alpha^{12}, 1)
                                                                                 P_{1095} = (6, 3, 3, 1) = (\alpha^{13}, \alpha^{12}, \alpha^{12}, 1)
                                                                                 P_{1096} = (7, 3, 3, 1) = (\alpha^7, \alpha^{12}, \alpha^{12}, 1)
P_{1051} = (10, 0, 3, 1) = (\alpha^{10}, 0, \alpha^{12}, 1)
P_{1052} = (11, 0, 3, 1) = (\alpha^5, 0, \alpha^{12}, 1)
                                                                                 P_{1097} = (8, 3, 3, 1) = (\alpha^3, \alpha^{12}, \alpha^{12}, 1)
                                                                                 P_{1098} = (9, 3, 3, 1) = (\alpha^4, \alpha^{12}, \alpha^{12}, 1)
P_{1053} = (12, 0, 3, 1) = (\alpha^{14}, 0, \alpha^{12}, 1)
                                                                                 P_{1099} = (10, 3, 3, 1) = (\alpha^{10}, \alpha^{12}, \alpha^{12}, 1)
P_{1054} = (13, 0, 3, 1) = (\alpha^{11}, 0, \alpha^{12}, 1)
                                                                                 P_{1100} = (11, 3, 3, 1) = (\alpha^5, \alpha^{12}, \alpha^{12}, 1)
P_{1055} = (14, 0, 3, 1) = (\alpha^8, 0, \alpha^{12}, 1)
P_{1056} = (15, 0, 3, 1) = (\alpha^6, 0, \alpha^{12}, 1)
                                                                                 P_{1101} = (12, 3, 3, 1) = (\alpha^{14}, \alpha^{12}, \alpha^{12}, 1)
                                                                                 P_{1102} = (13, 3, 3, 1) = (\alpha^{11}, \alpha^{12}, \alpha^{12}, 1)
P_{1057} = (0, 1, 3, 1) = (0, 1, \alpha^{12}, 1)
P_{1058} = (1, 1, 3, 1) = (1, 1, \alpha^{12}, 1)
                                                                                 P_{1103} = (14, 3, 3, 1) = (\alpha^8, \alpha^{12}, \alpha^{12}, 1)
P_{1059} = (2, 1, 3, 1) = (\alpha, 1, \alpha^{12}, 1)
                                                                                 P_{1104} = (15, 3, 3, 1) = (\alpha^6, \alpha^{12}, \alpha^{12}, 1)
P_{1060} = (3, 1, 3, 1) = (\alpha^{12}, 1, \alpha^{12}, 1)
                                                                                 P_{1105} = (0, 4, 3, 1) = (0, \alpha^2, \alpha^{12}, 1)
P_{1061} = (4, 1, 3, 1) = (\alpha^2, 1, \alpha^{12}, 1)
                                                                                 P_{1106} = (1, 4, 3, 1) = (1, \alpha^2, \alpha^{12}, 1)
                                                                                 P_{1107} = (2, 4, 3, 1) = (\alpha, \alpha^2, \alpha^{12}, 1)
P_{1062} = (5, 1, 3, 1) = (\alpha^9, 1, \alpha^{12}, 1)
                                                                                 P_{1108} = (3, 4, 3, 1) = (\alpha^{12}, \alpha^2, \alpha^{12}, 1)
P_{1063} = (6, 1, 3, 1) = (\alpha^{13}, 1, \alpha^{12}, 1)
                                                                                 P_{1109} = (4, 4, 3, 1) = (\alpha^2, \alpha^2, \alpha^{12}, 1)
P_{1064} = (7, 1, 3, 1) = (\alpha^7, 1, \alpha^{12}, 1)
P_{1065} = (8, 1, 3, 1) = (\alpha^3, 1, \alpha^{12}, 1)
                                                                                 P_{1110} = (5, 4, 3, 1) = (\alpha^9, \alpha^2, \alpha^{12}, 1)
                                                                                 P_{1111} = (6, 4, 3, 1) = (\alpha^{13}, \alpha^2, \alpha^{12}, 1)
P_{1066} = (9, 1, 3, 1) = (\alpha^4, 1, \alpha^{12}, 1)
P_{1067} = (10, 1, 3, 1) = (\alpha^{10}, 1, \alpha^{12}, 1)
                                                                                 P_{1112} = (7, 4, 3, 1) = (\alpha^7, \alpha^2, \alpha^{12}, 1)
P_{1068} = (11, 1, 3, 1) = (\alpha^5, 1, \alpha^{12}, 1)
                                                                                 P_{1113} = (8, 4, 3, 1) = (\alpha^3, \alpha^2, \alpha^{12}, 1)
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P_{1159} = (6, 7, 3, 1) = (\alpha^{13}, \alpha^7, \alpha^{12}, 1)
P_{1114} = (9, 4, 3, 1) = (\alpha^4, \alpha^2, \alpha^{12}, 1)
P_{1115} = (10, 4, 3, 1) = (\alpha^{10}, \alpha^2, \alpha^{12}, 1)
                                                                                    P_{1160} = (7, 7, 3, 1) = (\alpha^7, \alpha^7, \alpha^{12}, 1)
P_{1116} = (11, 4, 3, 1) = (\alpha^5, \alpha^2, \alpha^{12}, 1)
                                                                                    P_{1161} = (8, 7, 3, 1) = (\alpha^3, \alpha^7, \alpha^{12}, 1)
P_{1117} = (12, 4, 3, 1) = (\alpha^{14}, \alpha^2, \alpha^{12}, 1)
                                                                                    P_{1162} = (9, 7, 3, 1) = (\alpha^4, \alpha^7, \alpha^{12}, 1)
P_{1118} = (13, 4, 3, 1) = (\alpha^{11}, \alpha^2, \alpha^{12}, 1)
                                                                                    P_{1163} = (10, 7, 3, 1) = (\alpha^{10}, \alpha^7, \alpha^{12}, 1)
                                                                                    P_{1164} = (11, 7, 3, 1) = (\alpha^5, \alpha^7, \alpha^{12}, 1)
P_{1119} = (14, 4, 3, 1) = (\alpha^8, \alpha^2, \alpha^{12}, 1)
P_{1120} = (15, 4, 3, 1) = (\alpha^6, \alpha^2, \alpha^{12}, 1)
                                                                                    P_{1165} = (12, 7, 3, 1) = (\alpha^{14}, \alpha^7, \alpha^{12}, 1)
P_{1121} = (0, 5, 3, 1) = (0, \alpha^9, \alpha^{12}, 1)
                                                                                    P_{1166} = (13, 7, 3, 1) = (\alpha^{11}, \alpha^7, \alpha^{12}, 1)
P_{1122} = (1, 5, 3, 1) = (1, \alpha^9, \alpha^{12}, 1)
                                                                                    P_{1167} = (14, 7, 3, 1) = (\alpha^8, \alpha^7, \alpha^{12}, 1)
P_{1123} = (2, 5, 3, 1) = (\alpha, \alpha^9, \alpha^{12}, 1)
                                                                                    P_{1168} = (15, 7, 3, 1) = (\alpha^6, \alpha^7, \alpha^{12}, 1)
P_{1124} = (3, 5, 3, 1) = (\alpha^{12}, \alpha^9, \alpha^{12}, 1)
                                                                                    P_{1169} = (0, 8, 3, 1) = (0, \alpha^3, \alpha^{12}, 1)
P_{1125} = (4, 5, 3, 1) = (\alpha^2, \alpha^9, \alpha^{12}, 1)
                                                                                    P_{1170} = (1, 8, 3, 1) = (1, \alpha^3, \alpha^{12}, 1)
P_{1126} = (5, 5, 3, 1) = (\alpha^9, \alpha^9, \alpha^{12}, 1)
                                                                                    P_{1171} = (2, 8, 3, 1) = (\alpha, \alpha^3, \alpha^{12}, 1)
P_{1127} = (6, 5, 3, 1) = (\alpha^{13}, \alpha^9, \alpha^{12}, 1)
                                                                                    P_{1172} = (3, 8, 3, 1) = (\alpha^{12}, \alpha^3, \alpha^{12}, 1)
P_{1128} = (7, 5, 3, 1) = (\alpha^7, \alpha^9, \alpha^{12}, 1)
                                                                                    P_{1173} = (4, 8, 3, 1) = (\alpha^2, \alpha^3, \alpha^{12}, 1)
P_{1129} = (8, 5, 3, 1) = (\alpha^3, \alpha^9, \alpha^{12}, 1)
                                                                                    P_{1174} = (5, 8, 3, 1) = (\alpha^9, \alpha^3, \alpha^{12}, 1)
                                                                                    P_{1175} = (6, 8, 3, 1) = (\alpha^{13}, \alpha^{3}, \alpha^{12}, 1)
P_{1130} = (9, 5, 3, 1) = (\alpha^4, \alpha^9, \alpha^{12}, 1)
P_{1131} = (10, 5, 3, 1) = (\alpha^{10}, \alpha^9, \alpha^{12}, 1)
                                                                                    P_{1176} = (7, 8, 3, 1) = (\alpha^7, \alpha^3, \alpha^{12}, 1)
P_{1132} = (11, 5, 3, 1) = (\alpha^5, \alpha^9, \alpha^{12}, 1)
                                                                                    P_{1177} = (8, 8, 3, 1) = (\alpha^3, \alpha^3, \alpha^{12}, 1)
P_{1133} = (12, 5, 3, 1) = (\alpha^{14}, \alpha^{9}, \alpha^{12}, 1)
                                                                                    P_{1178} = (9, 8, 3, 1) = (\alpha^4, \alpha^3, \alpha^{12}, 1)
P_{1134} = (13, 5, 3, 1) = (\alpha^{11}, \alpha^9, \alpha^{12}, 1)
                                                                                    P_{1179} = (10, 8, 3, 1) = (\alpha^{10}, \alpha^3, \alpha^{12}, 1)
P_{1135} = (14, 5, 3, 1) = (\alpha^8, \alpha^9, \alpha^{12}, 1)
                                                                                    P_{1180} = (11, 8, 3, 1) = (\alpha^5, \alpha^3, \alpha^{12}, 1)
P_{1136} = (15, 5, 3, 1) = (\alpha^6, \alpha^9, \alpha^{12}, 1)
                                                                                    P_{1181} = (12, 8, 3, 1) = (\alpha^{14}, \alpha^3, \alpha^{12}, 1)
P_{1137} = (0, 6, 3, 1) = (0, \alpha^{13}, \alpha^{12}, 1)
                                                                                    P_{1182} = (13, 8, 3, 1) = (\alpha^{11}, \alpha^3, \alpha^{12}, 1)
P_{1138} = (1, 6, 3, 1) = (1, \alpha^{13}, \alpha^{12}, 1)
                                                                                    P_{1183} = (14, 8, 3, 1) = (\alpha^8, \alpha^3, \alpha^{12}, 1)
P_{1139} = (2, 6, 3, 1) = (\alpha, \alpha^{13}, \alpha^{12}, 1)
                                                                                    P_{1184} = (15, 8, 3, 1) = (\alpha^6, \alpha^3, \alpha^{12}, 1)
P_{1140} = (3, 6, 3, 1) = (\alpha^{12}, \alpha^{13}, \alpha^{12}, 1)
                                                                                    P_{1185} = (0, 9, 3, 1) = (0, \alpha^4, \alpha^{12}, 1)
P_{1141} = (4, 6, 3, 1) = (\alpha^2, \alpha^{13}, \alpha^{12}, 1)
                                                                                    P_{1186} = (1, 9, 3, 1) = (1, \alpha^4, \alpha^{12}, 1)
P_{1142} = (5, 6, 3, 1) = (\alpha^9, \alpha^{13}, \alpha^{12}, 1)
                                                                                    P_{1187} = (2, 9, 3, 1) = (\alpha, \alpha^4, \alpha^{12}, 1)
                                                                                    P_{1188} = (3, 9, 3, 1) = (\alpha^{12}, \alpha^4, \alpha^{12}, 1)
P_{1143} = (6, 6, 3, 1) = (\alpha^{13}, \alpha^{13}, \alpha^{12}, 1)
P_{1144} = (7, 6, 3, 1) = (\alpha^7, \alpha^{13}, \alpha^{12}, 1)
                                                                                    P_{1189} = (4, 9, 3, 1) = (\alpha^2, \alpha^4, \alpha^{12}, 1)
P_{1145} = (8, 6, 3, 1) = (\alpha^3, \alpha^{13}, \alpha^{12}, 1)
                                                                                    P_{1190} = (5, 9, 3, 1) = (\alpha^9, \alpha^4, \alpha^{12}, 1)
P_{1146} = (9, 6, 3, 1) = (\alpha^4, \alpha^{13}, \alpha^{12}, 1)
                                                                                    P_{1191} = (6, 9, 3, 1) = (\alpha^{13}, \alpha^4, \alpha^{12}, 1)
P_{1147} = (10, 6, 3, 1) = (\alpha^{10}, \alpha^{13}, \alpha^{12}, 1)
                                                                                    P_{1192} = (7, 9, 3, 1) = (\alpha^7, \alpha^4, \alpha^{12}, 1)
P_{1148} = (11, 6, 3, 1) = (\alpha^5, \alpha^{13}, \alpha^{12}, 1)
                                                                                    P_{1193} = (8, 9, 3, 1) = (\alpha^3, \alpha^4, \alpha^{12}, 1)
P_{1149} = (12, 6, 3, 1) = (\alpha^{14}, \alpha^{13}, \alpha^{12}, 1)
                                                                                    P_{1194} = (9, 9, 3, 1) = (\alpha^4, \alpha^4, \alpha^{12}, 1)
P_{1150} = (13, 6, 3, 1) = (\alpha^{11}, \alpha^{13}, \alpha^{12}, 1)
                                                                                    P_{1195} = (10, 9, 3, 1) = (\alpha^{10}, \alpha^4, \alpha^{12}, 1)
                                                                                    P_{1196} = (11, 9, 3, 1) = (\alpha^5, \alpha^4, \alpha^{12}, 1)
P_{1151} = (14, 6, 3, 1) = (\alpha^8, \alpha^{13}, \alpha^{12}, 1)
P_{1152} = (15, 6, 3, 1) = (\alpha^6, \alpha^{13}, \alpha^{12}, 1)
                                                                                    P_{1197} = (12, 9, 3, 1) = (\alpha^{14}, \alpha^4, \alpha^{12}, 1)
                                                                                    P_{1198} = (13, 9, 3, 1) = (\alpha^{11}, \alpha^4, \alpha^{12}, 1)
P_{1153} = (0, 7, 3, 1) = (0, \alpha^7, \alpha^{12}, 1)
P_{1154} = (1, 7, 3, 1) = (1, \alpha^7, \alpha^{12}, 1)
                                                                                    P_{1199} = (14, 9, 3, 1) = (\alpha^8, \alpha^4, \alpha^{12}, 1)
P_{1155} = (2, 7, 3, 1) = (\alpha, \alpha^7, \alpha^{12}, 1)
                                                                                    P_{1200} = (15, 9, 3, 1) = (\alpha^6, \alpha^4, \alpha^{12}, 1)
P_{1156} = (3, 7, 3, 1) = (\alpha^{12}, \alpha^7, \alpha^{12}, 1)
                                                                                    P_{1201} = (0, 10, 3, 1) = (0, \alpha^{10}, \alpha^{12}, 1)
P_{1157} = (4,7,3,1) = (\alpha^2, \alpha^7, \alpha^{12}, 1)
                                                                                    P_{1202} = (1, 10, 3, 1) = (1, \alpha^{10}, \alpha^{12}, 1)
                                                                                    P_{1203} = (2, 10, 3, 1) = (\alpha, \alpha^{10}, \alpha^{12}, 1)
P_{1158} = (5, 7, 3, 1) = (\alpha^9, \alpha^7, \alpha^{12}, 1)
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P_{1249} = (0, 13, 3, 1) = (0, \alpha^{11}, \alpha^{12}, 1)
P_{1204} = (3, 10, 3, 1) = (\alpha^{12}, \alpha^{10}, \alpha^{12}, 1)
P_{1205} = (4, 10, 3, 1) = (\alpha^2, \alpha^{10}, \alpha^{12}, 1)
                                                                                    P_{1250} = (1, 13, 3, 1) = (1, \alpha^{11}, \alpha^{12}, 1)
P_{1206} = (5, 10, 3, 1) = (\alpha^9, \alpha^{10}, \alpha^{12}, 1)
                                                                                    P_{1251} = (2, 13, 3, 1) = (\alpha, \alpha^{11}, \alpha^{12}, 1)
P_{1207} = (6, 10, 3, 1) = (\alpha^{13}, \alpha^{10}, \alpha^{12}, 1)
                                                                                    P_{1252} = (3, 13, 3, 1) = (\alpha^{12}, \alpha^{11}, \alpha^{12}, 1)
P_{1208} = (7, 10, 3, 1) = (\alpha^7, \alpha^{10}, \alpha^{12}, 1)
                                                                                    P_{1253} = (4, 13, 3, 1) = (\alpha^2, \alpha^{11}, \alpha^{12}, 1)
                                                                                    P_{1254} = (5, 13, 3, 1) = (\alpha^9, \alpha^{11}, \alpha^{12}, 1)
P_{1209} = (8, 10, 3, 1) = (\alpha^3, \alpha^{10}, \alpha^{12}, 1)
P_{1210} = (9, 10, 3, 1) = (\alpha^4, \alpha^{10}, \alpha^{12}, 1)
                                                                                    P_{1255} = (6, 13, 3, 1) = (\alpha^{13}, \alpha^{11}, \alpha^{12}, 1)
P_{1211} = (10, 10, 3, 1) = (\alpha^{10}, \alpha^{10}, \alpha^{12}, 1)
                                                                                    P_{1256} = (7, 13, 3, 1) = (\alpha^7, \alpha^{11}, \alpha^{12}, 1)
P_{1212} = (11, 10, 3, 1) = (\alpha^5, \alpha^{10}, \alpha^{12}, 1)
                                                                                    P_{1257} = (8, 13, 3, 1) = (\alpha^3, \alpha^{11}, \alpha^{12}, 1)
P_{1213} = (12, 10, 3, 1) = (\alpha^{14}, \alpha^{10}, \alpha^{12}, 1)
                                                                                    P_{1258} = (9, 13, 3, 1) = (\alpha^4, \alpha^{11}, \alpha^{12}, 1)
P_{1214} = (13, 10, 3, 1) = (\alpha^{11}, \alpha^{10}, \alpha^{12}, 1)
                                                                                    P_{1259} = (10, 13, 3, 1) = (\alpha^{10}, \alpha^{11}, \alpha^{12}, 1)
P_{1215} = (14, 10, 3, 1) = (\alpha^8, \alpha^{10}, \alpha^{12}, 1)
                                                                                    P_{1260} = (11, 13, 3, 1) = (\alpha^5, \alpha^{11}, \alpha^{12}, 1)
                                                                                    P_{1261} = (12, 13, 3, 1) = (\alpha^{14}, \alpha^{11}, \alpha^{12}, 1)
P_{1216} = (15, 10, 3, 1) = (\alpha^6, \alpha^{10}, \alpha^{12}, 1)
                                                                                    P_{1262} = (13, 13, 3, 1) = (\alpha^{11}, \alpha^{11}, \alpha^{12}, 1)
P_{1217} = (0, 11, 3, 1) = (0, \alpha^5, \alpha^{12}, 1)
P_{1218} = (1, 11, 3, 1) = (1, \alpha^5, \alpha^{12}, 1)
                                                                                    P_{1263} = (14, 13, 3, 1) = (\alpha^8, \alpha^{11}, \alpha^{12}, 1)
P_{1219} = (2, 11, 3, 1) = (\alpha, \alpha^5, \alpha^{12}, 1)
                                                                                    P_{1264} = (15, 13, 3, 1) = (\alpha^6, \alpha^{11}, \alpha^{12}, 1)
P_{1220} = (3, 11, 3, 1) = (\alpha^{12}, \alpha^5, \alpha^{12}, 1)
                                                                                    P_{1265} = (0, 14, 3, 1) = (0, \alpha^8, \alpha^{12}, 1)
P_{1221} = (4, 11, 3, 1) = (\alpha^2, \alpha^5, \alpha^{12}, 1)
                                                                                    P_{1266} = (1, 14, 3, 1) = (1, \alpha^8, \alpha^{12}, 1)
P_{1222} = (5, 11, 3, 1) = (\alpha^9, \alpha^5, \alpha^{12}, 1)
                                                                                    P_{1267} = (2, 14, 3, 1) = (\alpha, \alpha^8, \alpha^{12}, 1)
                                                                                    P_{1268} = (3, 14, 3, 1) = (\alpha^{12}, \alpha^{8}, \alpha^{12}, 1)
P_{1223} = (6, 11, 3, 1) = (\alpha^{13}, \alpha^5, \alpha^{12}, 1)
P_{1224} = (7, 11, 3, 1) = (\alpha^7, \alpha^5, \alpha^{12}, 1)
                                                                                    P_{1269} = (4, 14, 3, 1) = (\alpha^2, \alpha^8, \alpha^{12}, 1)
                                                                                    P_{1270} = (5, 14, 3, 1) = (\alpha^9, \alpha^8, \alpha^{12}, 1)
P_{1225} = (8, 11, 3, 1) = (\alpha^3, \alpha^5, \alpha^{12}, 1)
P_{1226} = (9, 11, 3, 1) = (\alpha^4, \alpha^5, \alpha^{12}, 1)
                                                                                    P_{1271} = (6, 14, 3, 1) = (\alpha^{13}, \alpha^{8}, \alpha^{12}, 1)
P_{1227} = (10, 11, 3, 1) = (\alpha^{10}, \alpha^5, \alpha^{12}, 1)
                                                                                    P_{1272} = (7, 14, 3, 1) = (\alpha^7, \alpha^8, \alpha^{12}, 1)
P_{1228} = (11, 11, 3, 1) = (\alpha^5, \alpha^5, \alpha^{12}, 1)
                                                                                    P_{1273} = (8, 14, 3, 1) = (\alpha^3, \alpha^8, \alpha^{12}, 1)
P_{1229} = (12, 11, 3, 1) = (\alpha^{14}, \alpha^5, \alpha^{12}, 1)
                                                                                    P_{1274} = (9, 14, 3, 1) = (\alpha^4, \alpha^8, \alpha^{12}, 1)
P_{1230} = (13, 11, 3, 1) = (\alpha^{11}, \alpha^5, \alpha^{12}, 1)
                                                                                    P_{1275} = (10, 14, 3, 1) = (\alpha^{10}, \alpha^8, \alpha^{12}, 1)
P_{1231} = (14, 11, 3, 1) = (\alpha^8, \alpha^5, \alpha^{12}, 1)
                                                                                    P_{1276} = (11, 14, 3, 1) = (\alpha^5, \alpha^8, \alpha^{12}, 1)
P_{1232} = (15, 11, 3, 1) = (\alpha^6, \alpha^5, \alpha^{12}, 1)
                                                                                    P_{1277} = (12, 14, 3, 1) = (\alpha^{14}, \alpha^{8}, \alpha^{12}, 1)
P_{1233} = (0, 12, 3, 1) = (0, \alpha^{14}, \alpha^{12}, 1)
                                                                                    P_{1278} = (13, 14, 3, 1) = (\alpha^{11}, \alpha^{8}, \alpha^{12}, 1)
P_{1234} = (1, 12, 3, 1) = (1, \alpha^{14}, \alpha^{12}, 1)
                                                                                    P_{1279} = (14, 14, 3, 1) = (\alpha^8, \alpha^8, \alpha^{12}, 1)
P_{1235} = (2, 12, 3, 1) = (\alpha, \alpha^{14}, \alpha^{12}, 1)
                                                                                    P_{1280} = (15, 14, 3, 1) = (\alpha^6, \alpha^8, \alpha^{12}, 1)
P_{1236} = (3, 12, 3, 1) = (\alpha^{12}, \alpha^{14}, \alpha^{12}, 1)
                                                                                    P_{1281} = (0, 15, 3, 1) = (0, \alpha^6, \alpha^{12}, 1)
P_{1237} = (4, 12, 3, 1) = (\alpha^2, \alpha^{14}, \alpha^{12}, 1)
                                                                                    P_{1282} = (1, 15, 3, 1) = (1, \alpha^6, \alpha^{12}, 1)
P_{1238} = (5, 12, 3, 1) = (\alpha^9, \alpha^{14}, \alpha^{12}, 1)
                                                                                    P_{1283} = (2, 15, 3, 1) = (\alpha, \alpha^6, \alpha^{12}, 1)
P_{1239} = (6, 12, 3, 1) = (\alpha^{13}, \alpha^{14}, \alpha^{12}, 1)
                                                                                    P_{1284} = (3, 15, 3, 1) = (\alpha^{12}, \alpha^6, \alpha^{12}, 1)
P_{1240} = (7, 12, 3, 1) = (\alpha^7, \alpha^{14}, \alpha^{12}, 1)
                                                                                    P_{1285} = (4, 15, 3, 1) = (\alpha^2, \alpha^6, \alpha^{12}, 1)
P_{1241} = (8, 12, 3, 1) = (\alpha^3, \alpha^{14}, \alpha^{12}, 1)
                                                                                    P_{1286} = (5, 15, 3, 1) = (\alpha^9, \alpha^6, \alpha^{12}, 1)
P_{1242} = (9, 12, 3, 1) = (\alpha^4, \alpha^{14}, \alpha^{12}, 1)
                                                                                    P_{1287} = (6, 15, 3, 1) = (\alpha^{13}, \alpha^6, \alpha^{12}, 1)
P_{1243} = (10, 12, 3, 1) = (\alpha^{10}, \alpha^{14}, \alpha^{12}, 1)
                                                                                    P_{1288} = (7, 15, 3, 1) = (\alpha^7, \alpha^6, \alpha^{12}, 1)
P_{1244} = (11, 12, 3, 1) = (\alpha^5, \alpha^{14}, \alpha^{12}, 1)
                                                                                    P_{1289} = (8, 15, 3, 1) = (\alpha^3, \alpha^6, \alpha^{12}, 1)
P_{1245} = (12, 12, 3, 1) = (\alpha^{14}, \alpha^{14}, \alpha^{12}, 1)
                                                                                    P_{1290} = (9, 15, 3, 1) = (\alpha^4, \alpha^6, \alpha^{12}, 1)
P_{1246} = (13, 12, 3, 1) = (\alpha^{11}, \alpha^{14}, \alpha^{12}, 1)
                                                                                    P_{1291} = (10, 15, 3, 1) = (\alpha^{10}, \alpha^6, \alpha^{12}, 1)
P_{1247} = (14, 12, 3, 1) = (\alpha^8, \alpha^{14}, \alpha^{12}, 1)
                                                                                    P_{1292} = (11, 15, 3, 1) = (\alpha^5, \alpha^6, \alpha^{12}, 1)
P_{1248} = (15, 12, 3, 1) = (\alpha^6, \alpha^{14}, \alpha^{12}, 1)
                                                                                    P_{1293} = (12, 15, 3, 1) = (\alpha^{14}, \alpha^{6}, \alpha^{12}, 1)
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P_{1294} = (13, 15, 3, 1) = (\alpha^{11}, \alpha^6, \alpha^{12}, 1)
                                                                                P_{1339} = (10, 2, 4, 1) = (\alpha^{10}, \alpha, \alpha^2, 1)
P_{1295} = (14, 15, 3, 1) = (\alpha^8, \alpha^6, \alpha^{12}, 1)
                                                                                 P_{1340} = (11, 2, 4, 1) = (\alpha^5, \alpha, \alpha^2, 1)
P_{1296} = (15, 15, 3, 1) = (\alpha^6, \alpha^6, \alpha^{12}, 1)
                                                                                P_{1341} = (12, 2, 4, 1) = (\alpha^{14}, \alpha, \alpha^{2}, 1)
                                                                                P_{1342} = (13, 2, 4, 1) = (\alpha^{11}, \alpha, \alpha^2, 1)
P_{1297} = (0, 0, 4, 1) = (0, 0, \alpha^2, 1)
                                                                                P_{1343} = (14, 2, 4, 1) = (\alpha^8, \alpha, \alpha^2, 1)
P_{1298} = (1, 0, 4, 1) = (1, 0, \alpha^2, 1)
                                                                                P_{1344} = (15, 2, 4, 1) = (\alpha^6, \alpha, \alpha^2, 1)
P_{1299} = (2, 0, 4, 1) = (\alpha, 0, \alpha^2, 1)
P_{1300} = (3, 0, 4, 1) = (\alpha^{12}, 0, \alpha^{2}, 1)
                                                                                P_{1345} = (0, 3, 4, 1) = (0, \alpha^{12}, \alpha^2, 1)
                                                                                P_{1346} = (1, 3, 4, 1) = (1, \alpha^{12}, \alpha^2, 1)
P_{1301} = (4, 0, 4, 1) = (\alpha^2, 0, \alpha^2, 1)
                                                                                P_{1347} = (2, 3, 4, 1) = (\alpha, \alpha^{12}, \alpha^{2}, 1)
P_{1302} = (5, 0, 4, 1) = (\alpha^9, 0, \alpha^2, 1)
P_{1303} = (6, 0, 4, 1) = (\alpha^{13}, 0, \alpha^{2}, 1)
                                                                                P_{1348} = (3, 3, 4, 1) = (\alpha^{12}, \alpha^{12}, \alpha^2, 1)
P_{1304} = (7, 0, 4, 1) = (\alpha^7, 0, \alpha^2, 1)
                                                                                P_{1349} = (4, 3, 4, 1) = (\alpha^2, \alpha^{12}, \alpha^2, 1)
                                                                                P_{1350} = (5, 3, 4, 1) = (\alpha^9, \alpha^{12}, \alpha^2, 1)
P_{1305} = (8, 0, 4, 1) = (\alpha^3, 0, \alpha^2, 1)
                                                                                P_{1351} = (6, 3, 4, 1) = (\alpha^{13}, \alpha^{12}, \alpha^{2}, 1)
P_{1306} = (9, 0, 4, 1) = (\alpha^4, 0, \alpha^2, 1)
                                                                                P_{1352} = (7, 3, 4, 1) = (\alpha^7, \alpha^{12}, \alpha^2, 1)
P_{1307} = (10, 0, 4, 1) = (\alpha^{10}, 0, \alpha^{2}, 1)
                                                                                P_{1353} = (8, 3, 4, 1) = (\alpha^3, \alpha^{12}, \alpha^2, 1)
P_{1308} = (11, 0, 4, 1) = (\alpha^5, 0, \alpha^2, 1)
                                                                                P_{1354} = (9, 3, 4, 1) = (\alpha^4, \alpha^{12}, \alpha^2, 1)
P_{1309} = (12, 0, 4, 1) = (\alpha^{14}, 0, \alpha^{2}, 1)
                                                                                P_{1355} = (10, 3, 4, 1) = (\alpha^{10}, \alpha^{12}, \alpha^{2}, 1)
P_{1310} = (13, 0, 4, 1) = (\alpha^{11}, 0, \alpha^{2}, 1)
                                                                                P_{1356} = (11, 3, 4, 1) = (\alpha^5, \alpha^{12}, \alpha^2, 1)
P_{1311} = (14, 0, 4, 1) = (\alpha^8, 0, \alpha^2, 1)
P_{1312} = (15, 0, 4, 1) = (\alpha^6, 0, \alpha^2, 1)
                                                                                P_{1357} = (12, 3, 4, 1) = (\alpha^{14}, \alpha^{12}, \alpha^{2}, 1)
                                                                                P_{1358} = (13, 3, 4, 1) = (\alpha^{11}, \alpha^{12}, \alpha^{2}, 1)
P_{1313} = (0, 1, 4, 1) = (0, 1, \alpha^2, 1)
                                                                                P_{1359} = (14, 3, 4, 1) = (\alpha^8, \alpha^{12}, \alpha^2, 1)
P_{1314} = (1, 1, 4, 1) = (1, 1, \alpha^2, 1)
                                                                                P_{1360} = (15, 3, 4, 1) = (\alpha^6, \alpha^{12}, \alpha^2, 1)
P_{1315} = (2, 1, 4, 1) = (\alpha, 1, \alpha^2, 1)
P_{1316} = (3, 1, 4, 1) = (\alpha^{12}, 1, \alpha^{2}, 1)
                                                                                P_{1361} = (0, 4, 4, 1) = (0, \alpha^2, \alpha^2, 1)
P_{1317} = (4, 1, 4, 1) = (\alpha^2, 1, \alpha^2, 1)
                                                                                P_{1362} = (1, 4, 4, 1) = (1, \alpha^2, \alpha^2, 1)
                                                                                P_{1363} = (2, 4, 4, 1) = (\alpha, \alpha^2, \alpha^2, 1)
P_{1318} = (5, 1, 4, 1) = (\alpha^9, 1, \alpha^2, 1)
                                                                                P_{1364} = (3, 4, 4, 1) = (\alpha^{12}, \alpha^2, \alpha^2, 1)
P_{1319} = (6, 1, 4, 1) = (\alpha^{13}, 1, \alpha^{2}, 1)
P_{1320} = (7, 1, 4, 1) = (\alpha^7, 1, \alpha^2, 1)
                                                                                P_{1365} = (4, 4, 4, 1) = (\alpha^2, \alpha^2, \alpha^2, 1)
                                                                                P_{1366} = (5, 4, 4, 1) = (\alpha^9, \alpha^2, \alpha^2, 1)
P_{1321} = (8, 1, 4, 1) = (\alpha^3, 1, \alpha^2, 1)
P_{1322} = (9, 1, 4, 1) = (\alpha^4, 1, \alpha^2, 1)
                                                                                P_{1367} = (6, 4, 4, 1) = (\alpha^{13}, \alpha^2, \alpha^2, 1)
P_{1323} = (10, 1, 4, 1) = (\alpha^{10}, 1, \alpha^2, 1)
                                                                                P_{1368} = (7, 4, 4, 1) = (\alpha^7, \alpha^2, \alpha^2, 1)
P_{1324} = (11, 1, 4, 1) = (\alpha^5, 1, \alpha^2, 1)
                                                                                P_{1369} = (8, 4, 4, 1) = (\alpha^3, \alpha^2, \alpha^2, 1)
P_{1325} = (12, 1, 4, 1) = (\alpha^{14}, 1, \alpha^2, 1)
                                                                                P_{1370} = (9, 4, 4, 1) = (\alpha^4, \alpha^2, \alpha^2, 1)
P_{1326} = (13, 1, 4, 1) = (\alpha^{11}, 1, \alpha^2, 1)
                                                                                P_{1371} = (10, 4, 4, 1) = (\alpha^{10}, \alpha^2, \alpha^2, 1)
                                                                                P_{1372} = (11, 4, 4, 1) = (\alpha^5, \alpha^2, \alpha^2, 1)
P_{1327} = (14, 1, 4, 1) = (\alpha^8, 1, \alpha^2, 1)
P_{1328} = (15, 1, 4, 1) = (\alpha^6, 1, \alpha^2, 1)
                                                                                P_{1373} = (12, 4, 4, 1) = (\alpha^{14}, \alpha^2, \alpha^2, 1)
P_{1329} = (0, 2, 4, 1) = (0, \alpha, \alpha^2, 1)
                                                                                P_{1374} = (13, 4, 4, 1) = (\alpha^{11}, \alpha^2, \alpha^2, 1)
P_{1330} = (1, 2, 4, 1) = (1, \alpha, \alpha^2, 1)
                                                                                P_{1375} = (14, 4, 4, 1) = (\alpha^8, \alpha^2, \alpha^2, 1)
                                                                                P_{1376} = (15, 4, 4, 1) = (\alpha^6, \alpha^2, \alpha^2, 1)
P_{1331} = (2, 2, 4, 1) = (\alpha, \alpha, \alpha^2, 1)
P_{1332} = (3, 2, 4, 1) = (\alpha^{12}, \alpha, \alpha^2, 1)
                                                                                P_{1377} = (0, 5, 4, 1) = (0, \alpha^9, \alpha^2, 1)
P_{1333} = (4, 2, 4, 1) = (\alpha^2, \alpha, \alpha^2, 1)
                                                                                P_{1378} = (1, 5, 4, 1) = (1, \alpha^9, \alpha^2, 1)
                                                                                P_{1379} = (2, 5, 4, 1) = (\alpha, \alpha^9, \alpha^2, 1)
P_{1334} = (5, 2, 4, 1) = (\alpha^9, \alpha, \alpha^2, 1)
P_{1335} = (6, 2, 4, 1) = (\alpha^{13}, \alpha, \alpha^2, 1)
                                                                                P_{1380} = (3, 5, 4, 1) = (\alpha^{12}, \alpha^9, \alpha^2, 1)
P_{1336} = (7, 2, 4, 1) = (\alpha^7, \alpha, \alpha^2, 1)
                                                                                P_{1381} = (4, 5, 4, 1) = (\alpha^2, \alpha^9, \alpha^2, 1)
P_{1337} = (8, 2, 4, 1) = (\alpha^3, \alpha, \alpha^2, 1)
                                                                                P_{1382} = (5, 5, 4, 1) = (\alpha^9, \alpha^9, \alpha^2, 1)
                                                                                P_{1383} = (6, 5, 4, 1) = (\alpha^{13}, \alpha^9, \alpha^2, 1)
P_{1338} = (9, 2, 4, 1) = (\alpha^4, \alpha, \alpha^2, 1)
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P_{1384} = (7, 5, 4, 1) = (\alpha^7, \alpha^9, \alpha^2, 1)
                                                                                   P_{1429} = (4, 8, 4, 1) = (\alpha^2, \alpha^3, \alpha^2, 1)
P_{1385} = (8, 5, 4, 1) = (\alpha^3, \alpha^9, \alpha^2, 1)
                                                                                   P_{1430} = (5, 8, 4, 1) = (\alpha^9, \alpha^3, \alpha^2, 1)
                                                                                  P_{1431} = (6, 8, 4, 1) = (\alpha^{13}, \alpha^3, \alpha^2, 1)
P_{1386} = (9, 5, 4, 1) = (\alpha^4, \alpha^9, \alpha^2, 1)
                                                                                   P_{1432} = (7, 8, 4, 1) = (\alpha^7, \alpha^3, \alpha^2, 1)
P_{1387} = (10, 5, 4, 1) = (\alpha^{10}, \alpha^{9}, \alpha^{2}, 1)
                                                                                   P_{1433} = (8, 8, 4, 1) = (\alpha^3, \alpha^3, \alpha^2, 1)
P_{1388} = (11, 5, 4, 1) = (\alpha^5, \alpha^9, \alpha^2, 1)
                                                                                   P_{1434} = (9, 8, 4, 1) = (\alpha^4, \alpha^3, \alpha^2, 1)
P_{1389} = (12, 5, 4, 1) = (\alpha^{14}, \alpha^{9}, \alpha^{2}, 1)
                                                                                  P_{1435} = (10, 8, 4, 1) = (\alpha^{10}, \alpha^3, \alpha^2, 1)
P_{1390} = (13, 5, 4, 1) = (\alpha^{11}, \alpha^9, \alpha^2, 1)
P_{1391} = (14, 5, 4, 1) = (\alpha^8, \alpha^9, \alpha^2, 1)
                                                                                   P_{1436} = (11, 8, 4, 1) = (\alpha^5, \alpha^3, \alpha^2, 1)
P_{1392} = (15, 5, 4, 1) = (\alpha^6, \alpha^9, \alpha^2, 1)
                                                                                   P_{1437} = (12, 8, 4, 1) = (\alpha^{14}, \alpha^3, \alpha^2, 1)
                                                                                  P_{1438} = (13, 8, 4, 1) = (\alpha^{11}, \alpha^3, \alpha^2, 1)
P_{1393} = (0, 6, 4, 1) = (0, \alpha^{13}, \alpha^2, 1)
P_{1394} = (1, 6, 4, 1) = (1, \alpha^{13}, \alpha^{2}, 1)
                                                                                   P_{1439} = (14, 8, 4, 1) = (\alpha^8, \alpha^3, \alpha^2, 1)
P_{1395} = (2, 6, 4, 1) = (\alpha, \alpha^{13}, \alpha^{2}, 1)
                                                                                   P_{1440} = (15, 8, 4, 1) = (\alpha^6, \alpha^3, \alpha^2, 1)
P_{1396} = (3, 6, 4, 1) = (\alpha^{12}, \alpha^{13}, \alpha^{2}, 1)
                                                                                   P_{1441} = (0, 9, 4, 1) = (0, \alpha^4, \alpha^2, 1)
P_{1397} = (4, 6, 4, 1) = (\alpha^2, \alpha^{13}, \alpha^2, 1)
                                                                                   P_{1442} = (1, 9, 4, 1) = (1, \alpha^4, \alpha^2, 1)
P_{1398} = (5, 6, 4, 1) = (\alpha^9, \alpha^{13}, \alpha^2, 1)
                                                                                   P_{1443} = (2, 9, 4, 1) = (\alpha, \alpha^4, \alpha^2, 1)
                                                                                  P_{1444} = (3, 9, 4, 1) = (\alpha^{12}, \alpha^4, \alpha^2, 1)
P_{1399} = (6, 6, 4, 1) = (\alpha^{13}, \alpha^{13}, \alpha^{2}, 1)
P_{1400} = (7, 6, 4, 1) = (\alpha^7, \alpha^{13}, \alpha^2, 1)
                                                                                   P_{1445} = (4, 9, 4, 1) = (\alpha^2, \alpha^4, \alpha^2, 1)
P_{1401} = (8, 6, 4, 1) = (\alpha^3, \alpha^{13}, \alpha^2, 1)
                                                                                   P_{1446} = (5, 9, 4, 1) = (\alpha^9, \alpha^4, \alpha^2, 1)
P_{1402} = (9, 6, 4, 1) = (\alpha^4, \alpha^{13}, \alpha^2, 1)
                                                                                  P_{1447} = (6, 9, 4, 1) = (\alpha^{13}, \alpha^4, \alpha^2, 1)
P_{1403} = (10, 6, 4, 1) = (\alpha^{10}, \alpha^{13}, \alpha^{2}, 1)
                                                                                   P_{1448} = (7, 9, 4, 1) = (\alpha^7, \alpha^4, \alpha^2, 1)
P_{1404} = (11, 6, 4, 1) = (\alpha^5, \alpha^{13}, \alpha^2, 1)
                                                                                   P_{1449} = (8, 9, 4, 1) = (\alpha^3, \alpha^4, \alpha^2, 1)
P_{1405} = (12, 6, 4, 1) = (\alpha^{14}, \alpha^{13}, \alpha^{2}, 1)
                                                                                   P_{1450} = (9, 9, 4, 1) = (\alpha^4, \alpha^4, \alpha^2, 1)
P_{1406} = (13, 6, 4, 1) = (\alpha^{11}, \alpha^{13}, \alpha^{2}, 1)
                                                                                   P_{1451} = (10, 9, 4, 1) = (\alpha^{10}, \alpha^4, \alpha^2, 1)
P_{1407} = (14, 6, 4, 1) = (\alpha^8, \alpha^{13}, \alpha^2, 1)
                                                                                   P_{1452} = (11, 9, 4, 1) = (\alpha^5, \alpha^4, \alpha^2, 1)
                                                                                   P_{1453} = (12, 9, 4, 1) = (\alpha^{14}, \alpha^4, \alpha^2, 1)
P_{1408} = (15, 6, 4, 1) = (\alpha^6, \alpha^{13}, \alpha^2, 1)
                                                                                  P_{1454} = (13, 9, 4, 1) = (\alpha^{11}, \alpha^4, \alpha^2, 1)
P_{1409} = (0, 7, 4, 1) = (0, \alpha^7, \alpha^2, 1)
P_{1410} = (1, 7, 4, 1) = (1, \alpha^7, \alpha^2, 1)
                                                                                   P_{1455} = (14, 9, 4, 1) = (\alpha^8, \alpha^4, \alpha^2, 1)
P_{1411} = (2, 7, 4, 1) = (\alpha, \alpha^7, \alpha^2, 1)
                                                                                   P_{1456} = (15, 9, 4, 1) = (\alpha^6, \alpha^4, \alpha^2, 1)
P_{1412} = (3,7,4,1) = (\alpha^{12}, \alpha^7, \alpha^2, 1)
                                                                                   P_{1457} = (0, 10, 4, 1) = (0, \alpha^{10}, \alpha^2, 1)
                                                                                  P_{1458} = (1, 10, 4, 1) = (1, \alpha^{10}, \alpha^2, 1)
P_{1413} = (4, 7, 4, 1) = (\alpha^2, \alpha^7, \alpha^2, 1)
                                                                                  P_{1459} = (2, 10, 4, 1) = (\alpha, \alpha^{10}, \alpha^2, 1)
P_{1414} = (5, 7, 4, 1) = (\alpha^9, \alpha^7, \alpha^2, 1)
P_{1415} = (6, 7, 4, 1) = (\alpha^{13}, \alpha^7, \alpha^2, 1)
                                                                                   P_{1460} = (3, 10, 4, 1) = (\alpha^{12}, \alpha^{10}, \alpha^2, 1)
P_{1416} = (7, 7, 4, 1) = (\alpha^7, \alpha^7, \alpha^2, 1)
                                                                                   P_{1461} = (4, 10, 4, 1) = (\alpha^2, \alpha^{10}, \alpha^2, 1)
                                                                                  P_{1462} = (5, 10, 4, 1) = (\alpha^9, \alpha^{10}, \alpha^2, 1)
P_{1417} = (8,7,4,1) = (\alpha^3, \alpha^7, \alpha^2, 1)
P_{1418} = (9, 7, 4, 1) = (\alpha^4, \alpha^7, \alpha^2, 1)
                                                                                   P_{1463} = (6, 10, 4, 1) = (\alpha^{13}, \alpha^{10}, \alpha^{2}, 1)
P_{1419} = (10, 7, 4, 1) = (\alpha^{10}, \alpha^7, \alpha^2, 1)
                                                                                   P_{1464} = (7, 10, 4, 1) = (\alpha^7, \alpha^{10}, \alpha^2, 1)
                                                                                  P_{1465} = (8, 10, 4, 1) = (\alpha^3, \alpha^{10}, \alpha^2, 1)
P_{1420} = (11, 7, 4, 1) = (\alpha^5, \alpha^7, \alpha^2, 1)
P_{1421} = (12, 7, 4, 1) = (\alpha^{14}, \alpha^7, \alpha^2, 1)
                                                                                  P_{1466} = (9, 10, 4, 1) = (\alpha^4, \alpha^{10}, \alpha^2, 1)
P_{1422} = (13, 7, 4, 1) = (\alpha^{11}, \alpha^7, \alpha^2, 1)
                                                                                   P_{1467} = (10, 10, 4, 1) = (\alpha^{10}, \alpha^{10}, \alpha^2, 1)
P_{1423} = (14, 7, 4, 1) = (\alpha^8, \alpha^7, \alpha^2, 1)
                                                                                   P_{1468} = (11, 10, 4, 1) = (\alpha^5, \alpha^{10}, \alpha^2, 1)
P_{1424} = (15, 7, 4, 1) = (\alpha^6, \alpha^7, \alpha^2, 1)
                                                                                   P_{1469} = (12, 10, 4, 1) = (\alpha^{14}, \alpha^{10}, \alpha^{2}, 1)
                                                                                   P_{1470} = (13, 10, 4, 1) = (\alpha^{11}, \alpha^{10}, \alpha^2, 1)
P_{1425} = (0, 8, 4, 1) = (0, \alpha^3, \alpha^2, 1)
P_{1426} = (1, 8, 4, 1) = (1, \alpha^3, \alpha^2, 1)
                                                                                   P_{1471} = (14, 10, 4, 1) = (\alpha^8, \alpha^{10}, \alpha^2, 1)
P_{1427} = (2, 8, 4, 1) = (\alpha, \alpha^3, \alpha^2, 1)
                                                                                   P_{1472} = (15, 10, 4, 1) = (\alpha^6, \alpha^{10}, \alpha^2, 1)
P_{1428} = (3, 8, 4, 1) = (\alpha^{12}, \alpha^3, \alpha^2, 1)
                                                                                   P_{1473} = (0, 11, 4, 1) = (0, \alpha^5, \alpha^2, 1)
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P_{1474} = (1, 11, 4, 1) = (1, \alpha^5, \alpha^2, 1)
                                                                                 P_{1519} = (14, 13, 4, 1) = (\alpha^8, \alpha^{11}, \alpha^2, 1)
P_{1475} = (2, 11, 4, 1) = (\alpha, \alpha^5, \alpha^2, 1)
                                                                                  P_{1520} = (15, 13, 4, 1) = (\alpha^6, \alpha^{11}, \alpha^2, 1)
P_{1476} = (3, 11, 4, 1) = (\alpha^{12}, \alpha^5, \alpha^2, 1)
                                                                                 P_{1521} = (0, 14, 4, 1) = (0, \alpha^8, \alpha^2, 1)
P_{1477} = (4, 11, 4, 1) = (\alpha^2, \alpha^5, \alpha^2, 1)
                                                                                 P_{1522} = (1, 14, 4, 1) = (1, \alpha^8, \alpha^2, 1)
P_{1478} = (5, 11, 4, 1) = (\alpha^9, \alpha^5, \alpha^2, 1)
                                                                                 P_{1523} = (2, 14, 4, 1) = (\alpha, \alpha^8, \alpha^2, 1)
P_{1479} = (6, 11, 4, 1) = (\alpha^{13}, \alpha^5, \alpha^2, 1)
                                                                                 P_{1524} = (3, 14, 4, 1) = (\alpha^{12}, \alpha^8, \alpha^2, 1)
                                                                                 P_{1525} = (4, 14, 4, 1) = (\alpha^2, \alpha^8, \alpha^2, 1)
P_{1480} = (7, 11, 4, 1) = (\alpha^7, \alpha^5, \alpha^2, 1)
P_{1481} = (8, 11, 4, 1) = (\alpha^3, \alpha^5, \alpha^2, 1)
                                                                                 P_{1526} = (5, 14, 4, 1) = (\alpha^9, \alpha^8, \alpha^2, 1)
P_{1482} = (9, 11, 4, 1) = (\alpha^4, \alpha^5, \alpha^2, 1)
                                                                                 P_{1527} = (6, 14, 4, 1) = (\alpha^{13}, \alpha^8, \alpha^2, 1)
P_{1483} = (10, 11, 4, 1) = (\alpha^{10}, \alpha^5, \alpha^2, 1)
                                                                                  P_{1528} = (7, 14, 4, 1) = (\alpha^7, \alpha^8, \alpha^2, 1)
P_{1484} = (11, 11, 4, 1) = (\alpha^5, \alpha^5, \alpha^2, 1)
                                                                                 P_{1529} = (8, 14, 4, 1) = (\alpha^3, \alpha^8, \alpha^2, 1)
P_{1485} = (12, 11, 4, 1) = (\alpha^{14}, \alpha^5, \alpha^2, 1)
                                                                                 P_{1530} = (9, 14, 4, 1) = (\alpha^4, \alpha^8, \alpha^2, 1)
P_{1486} = (13, 11, 4, 1) = (\alpha^{11}, \alpha^5, \alpha^2, 1)
                                                                                 P_{1531} = (10, 14, 4, 1) = (\alpha^{10}, \alpha^{8}, \alpha^{2}, 1)
                                                                                 P_{1532} = (11, 14, 4, 1) = (\alpha^5, \alpha^8, \alpha^2, 1)
P_{1487} = (14, 11, 4, 1) = (\alpha^8, \alpha^5, \alpha^2, 1)
P_{1488} = (15, 11, 4, 1) = (\alpha^6, \alpha^5, \alpha^2, 1)
                                                                                 P_{1533} = (12, 14, 4, 1) = (\alpha^{14}, \alpha^{8}, \alpha^{2}, 1)
P_{1489} = (0, 12, 4, 1) = (0, \alpha^{14}, \alpha^2, 1)
                                                                                 P_{1534} = (13, 14, 4, 1) = (\alpha^{11}, \alpha^8, \alpha^2, 1)
P_{1490} = (1, 12, 4, 1) = (1, \alpha^{14}, \alpha^{2}, 1)
                                                                                 P_{1535} = (14, 14, 4, 1) = (\alpha^8, \alpha^8, \alpha^2, 1)
P_{1491} = (2, 12, 4, 1) = (\alpha, \alpha^{14}, \alpha^{2}, 1)
                                                                                 P_{1536} = (15, 14, 4, 1) = (\alpha^6, \alpha^8, \alpha^2, 1)
P_{1492} = (3, 12, 4, 1) = (\alpha^{12}, \alpha^{14}, \alpha^{2}, 1)
                                                                                 P_{1537} = (0, 15, 4, 1) = (0, \alpha^6, \alpha^2, 1)
P_{1493} = (4, 12, 4, 1) = (\alpha^2, \alpha^{14}, \alpha^2, 1)
                                                                                 P_{1538} = (1, 15, 4, 1) = (1, \alpha^6, \alpha^2, 1)
P_{1494} = (5, 12, 4, 1) = (\alpha^9, \alpha^{14}, \alpha^2, 1)
                                                                                 P_{1539} = (2, 15, 4, 1) = (\alpha, \alpha^6, \alpha^2, 1)
P_{1495} = (6, 12, 4, 1) = (\alpha^{13}, \alpha^{14}, \alpha^{2}, 1)
                                                                                 P_{1540} = (3, 15, 4, 1) = (\alpha^{12}, \alpha^6, \alpha^2, 1)
P_{1496} = (7, 12, 4, 1) = (\alpha^7, \alpha^{14}, \alpha^2, 1)
                                                                                 P_{1541} = (4, 15, 4, 1) = (\alpha^2, \alpha^6, \alpha^2, 1)
P_{1497} = (8, 12, 4, 1) = (\alpha^3, \alpha^{14}, \alpha^2, 1)
                                                                                 P_{1542} = (5, 15, 4, 1) = (\alpha^9, \alpha^6, \alpha^2, 1)
P_{1498} = (9, 12, 4, 1) = (\alpha^4, \alpha^{14}, \alpha^2, 1)
                                                                                  P_{1543} = (6, 15, 4, 1) = (\alpha^{13}, \alpha^6, \alpha^2, 1)
P_{1499} = (10, 12, 4, 1) = (\alpha^{10}, \alpha^{14}, \alpha^{2}, 1)
                                                                                 P_{1544} = (7, 15, 4, 1) = (\alpha^7, \alpha^6, \alpha^2, 1)
                                                                                 P_{1545} = (8, 15, 4, 1) = (\alpha^3, \alpha^6, \alpha^2, 1)
P_{1500} = (11, 12, 4, 1) = (\alpha^5, \alpha^{14}, \alpha^2, 1)
P_{1501} = (12, 12, 4, 1) = (\alpha^{14}, \alpha^{14}, \alpha^{2}, 1)
                                                                                 P_{1546} = (9, 15, 4, 1) = (\alpha^4, \alpha^6, \alpha^2, 1)
P_{1502} = (13, 12, 4, 1) = (\alpha^{11}, \alpha^{14}, \alpha^2, 1)
                                                                                 P_{1547} = (10, 15, 4, 1) = (\alpha^{10}, \alpha^6, \alpha^2, 1)
P_{1503} = (14, 12, 4, 1) = (\alpha^8, \alpha^{14}, \alpha^2, 1)
                                                                                 P_{1548} = (11, 15, 4, 1) = (\alpha^5, \alpha^6, \alpha^2, 1)
P_{1504} = (15, 12, 4, 1) = (\alpha^6, \alpha^{14}, \alpha^2, 1)
                                                                                 P_{1549} = (12, 15, 4, 1) = (\alpha^{14}, \alpha^6, \alpha^2, 1)
P_{1505} = (0, 13, 4, 1) = (0, \alpha^{11}, \alpha^{2}, 1)
                                                                                 P_{1550} = (13, 15, 4, 1) = (\alpha^{11}, \alpha^6, \alpha^2, 1)
P_{1506} = (1, 13, 4, 1) = (1, \alpha^{11}, \alpha^2, 1)
                                                                                 P_{1551} = (14, 15, 4, 1) = (\alpha^8, \alpha^6, \alpha^2, 1)
P_{1507} = (2, 13, 4, 1) = (\alpha, \alpha^{11}, \alpha^2, 1)
                                                                                 P_{1552} = (15, 15, 4, 1) = (\alpha^6, \alpha^6, \alpha^2, 1)
P_{1508} = (3, 13, 4, 1) = (\alpha^{12}, \alpha^{11}, \alpha^{2}, 1)
                                                                                 P_{1553} = (0, 0, 5, 1) = (0, 0, \alpha^9, 1)
P_{1509} = (4, 13, 4, 1) = (\alpha^2, \alpha^{11}, \alpha^2, 1)
                                                                                 P_{1554} = (1, 0, 5, 1) = (1, 0, \alpha^9, 1)
P_{1510} = (5, 13, 4, 1) = (\alpha^9, \alpha^{11}, \alpha^2, 1)
                                                                                 P_{1555} = (2, 0, 5, 1) = (\alpha, 0, \alpha^9, 1)
P_{1511} = (6, 13, 4, 1) = (\alpha^{13}, \alpha^{11}, \alpha^{2}, 1)
                                                                                 P_{1556} = (3, 0, 5, 1) = (\alpha^{12}, 0, \alpha^{9}, 1)
P_{1512} = (7, 13, 4, 1) = (\alpha^7, \alpha^{11}, \alpha^2, 1)
                                                                                 P_{1557} = (4, 0, 5, 1) = (\alpha^2, 0, \alpha^9, 1)
P_{1513} = (8, 13, 4, 1) = (\alpha^3, \alpha^{11}, \alpha^2, 1)
                                                                                 P_{1558} = (5, 0, 5, 1) = (\alpha^9, 0, \alpha^9, 1)
                                                                                 P_{1559} = (6, 0, 5, 1) = (\alpha^{13}, 0, \alpha^{9}, 1)
P_{1514} = (9, 13, 4, 1) = (\alpha^4, \alpha^{11}, \alpha^2, 1)
P_{1515} = (10, 13, 4, 1) = (\alpha^{10}, \alpha^{11}, \alpha^{2}, 1)
                                                                                 P_{1560} = (7, 0, 5, 1) = (\alpha^7, 0, \alpha^9, 1)
P_{1516} = (11, 13, 4, 1) = (\alpha^5, \alpha^{11}, \alpha^2, 1)
                                                                                 P_{1561} = (8, 0, 5, 1) = (\alpha^3, 0, \alpha^9, 1)
P_{1517} = (12, 13, 4, 1) = (\alpha^{14}, \alpha^{11}, \alpha^{2}, 1)
                                                                                 P_{1562} = (9, 0, 5, 1) = (\alpha^4, 0, \alpha^9, 1)
P_{1518} = (13, 13, 4, 1) = (\alpha^{11}, \alpha^{11}, \alpha^{2}, 1)
                                                                                 P_{1563} = (10, 0, 5, 1) = (\alpha^{10}, 0, \alpha^{9}, 1)
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P_{1609} = (8, 3, 5, 1) = (\alpha^3, \alpha^{12}, \alpha^9, 1)
P_{1564} = (11, 0, 5, 1) = (\alpha^5, 0, \alpha^9, 1)
P_{1565} = (12, 0, 5, 1) = (\alpha^{14}, 0, \alpha^{9}, 1)
                                                                                  P_{1610} = (9, 3, 5, 1) = (\alpha^4, \alpha^{12}, \alpha^9, 1)
P_{1566} = (13, 0, 5, 1) = (\alpha^{11}, 0, \alpha^{9}, 1)
                                                                                 P_{1611} = (10, 3, 5, 1) = (\alpha^{10}, \alpha^{12}, \alpha^{9}, 1)
                                                                                 P_{1612} = (11, 3, 5, 1) = (\alpha^5, \alpha^{12}, \alpha^9, 1)
P_{1567} = (14, 0, 5, 1) = (\alpha^8, 0, \alpha^9, 1)
                                                                                 P_{1613} = (12, 3, 5, 1) = (\alpha^{14}, \alpha^{12}, \alpha^{9}, 1)
P_{1568} = (15, 0, 5, 1) = (\alpha^6, 0, \alpha^9, 1)
                                                                                 P_{1614} = (13, 3, 5, 1) = (\alpha^{11}, \alpha^{12}, \alpha^{9}, 1)
P_{1569} = (0, 1, 5, 1) = (0, 1, \alpha^9, 1)
                                                                                 P_{1615} = (14, 3, 5, 1) = (\alpha^8, \alpha^{12}, \alpha^9, 1)
P_{1570} = (1, 1, 5, 1) = (1, 1, \alpha^9, 1)
                                                                                 P_{1616} = (15, 3, 5, 1) = (\alpha^6, \alpha^{12}, \alpha^9, 1)
P_{1571} = (2, 1, 5, 1) = (\alpha, 1, \alpha^9, 1)
P_{1572} = (3, 1, 5, 1) = (\alpha^{12}, 1, \alpha^{9}, 1)
                                                                                 P_{1617} = (0, 4, 5, 1) = (0, \alpha^2, \alpha^9, 1)
P_{1573} = (4, 1, 5, 1) = (\alpha^2, 1, \alpha^9, 1)
                                                                                 P_{1618} = (1, 4, 5, 1) = (1, \alpha^2, \alpha^9, 1)
P_{1574} = (5, 1, 5, 1) = (\alpha^9, 1, \alpha^9, 1)
                                                                                 P_{1619} = (2, 4, 5, 1) = (\alpha, \alpha^2, \alpha^9, 1)
P_{1575} = (6, 1, 5, 1) = (\alpha^{13}, 1, \alpha^{9}, 1)
                                                                                 P_{1620} = (3, 4, 5, 1) = (\alpha^{12}, \alpha^2, \alpha^9, 1)
P_{1576} = (7, 1, 5, 1) = (\alpha^7, 1, \alpha^9, 1)
                                                                                 P_{1621} = (4, 4, 5, 1) = (\alpha^2, \alpha^2, \alpha^9, 1)
                                                                                 P_{1622} = (5, 4, 5, 1) = (\alpha^9, \alpha^2, \alpha^9, 1)
P_{1577} = (8, 1, 5, 1) = (\alpha^3, 1, \alpha^9, 1)
                                                                                 P_{1623} = (6, 4, 5, 1) = (\alpha^{13}, \alpha^2, \alpha^9, 1)
P_{1578} = (9, 1, 5, 1) = (\alpha^4, 1, \alpha^9, 1)
P_{1579} = (10, 1, 5, 1) = (\alpha^{10}, 1, \alpha^{9}, 1)
                                                                                 P_{1624} = (7, 4, 5, 1) = (\alpha^7, \alpha^2, \alpha^9, 1)
                                                                                 P_{1625} = (8, 4, 5, 1) = (\alpha^3, \alpha^2, \alpha^9, 1)
P_{1580} = (11, 1, 5, 1) = (\alpha^5, 1, \alpha^9, 1)
P_{1581} = (12, 1, 5, 1) = (\alpha^{14}, 1, \alpha^{9}, 1)
                                                                                 P_{1626} = (9, 4, 5, 1) = (\alpha^4, \alpha^2, \alpha^9, 1)
                                                                                 P_{1627} = (10, 4, 5, 1) = (\alpha^{10}, \alpha^2, \alpha^9, 1)
P_{1582} = (13, 1, 5, 1) = (\alpha^{11}, 1, \alpha^{9}, 1)
P_{1583} = (14, 1, 5, 1) = (\alpha^8, 1, \alpha^9, 1)
                                                                                 P_{1628} = (11, 4, 5, 1) = (\alpha^5, \alpha^2, \alpha^9, 1)
P_{1584} = (15, 1, 5, 1) = (\alpha^6, 1, \alpha^9, 1)
                                                                                 P_{1629} = (12, 4, 5, 1) = (\alpha^{14}, \alpha^2, \alpha^9, 1)
                                                                                 P_{1630} = (13, 4, 5, 1) = (\alpha^{11}, \alpha^2, \alpha^9, 1)
P_{1585} = (0, 2, 5, 1) = (0, \alpha, \alpha^9, 1)
P_{1586} = (1, 2, 5, 1) = (1, \alpha, \alpha^9, 1)
                                                                                 P_{1631} = (14, 4, 5, 1) = (\alpha^8, \alpha^2, \alpha^9, 1)
                                                                                 P_{1632} = (15, 4, 5, 1) = (\alpha^6, \alpha^2, \alpha^9, 1)
P_{1587} = (2, 2, 5, 1) = (\alpha, \alpha, \alpha^9, 1)
P_{1588} = (3, 2, 5, 1) = (\alpha^{12}, \alpha, \alpha^{9}, 1)
                                                                                 P_{1633} = (0, 5, 5, 1) = (0, \alpha^9, \alpha^9, 1)
P_{1589} = (4, 2, 5, 1) = (\alpha^2, \alpha, \alpha^9, 1)
                                                                                 P_{1634} = (1, 5, 5, 1) = (1, \alpha^9, \alpha^9, 1)
                                                                                 P_{1635} = (2, 5, 5, 1) = (\alpha, \alpha^9, \alpha^9, 1)
P_{1590} = (5, 2, 5, 1) = (\alpha^9, \alpha, \alpha^9, 1)
                                                                                 P_{1636} = (3, 5, 5, 1) = (\alpha^{12}, \alpha^9, \alpha^9, 1)
P_{1591} = (6, 2, 5, 1) = (\alpha^{13}, \alpha, \alpha^{9}, 1)
P_{1592} = (7, 2, 5, 1) = (\alpha^7, \alpha, \alpha^9, 1)
                                                                                 P_{1637} = (4, 5, 5, 1) = (\alpha^2, \alpha^9, \alpha^9, 1)
P_{1593} = (8, 2, 5, 1) = (\alpha^3, \alpha, \alpha^9, 1)
                                                                                 P_{1638} = (5, 5, 5, 1) = (\alpha^9, \alpha^9, \alpha^9, 1)
                                                                                 P_{1639} = (6, 5, 5, 1) = (\alpha^{13}, \alpha^9, \alpha^9, 1)
P_{1594} = (9, 2, 5, 1) = (\alpha^4, \alpha, \alpha^9, 1)
P_{1595} = (10, 2, 5, 1) = (\alpha^{10}, \alpha, \alpha^{9}, 1)
                                                                                 P_{1640} = (7, 5, 5, 1) = (\alpha^7, \alpha^9, \alpha^9, 1)
                                                                                 P_{1641} = (8, 5, 5, 1) = (\alpha^3, \alpha^9, \alpha^9, 1)
P_{1596} = (11, 2, 5, 1) = (\alpha^5, \alpha, \alpha^9, 1)
P_{1597} = (12, 2, 5, 1) = (\alpha^{14}, \alpha, \alpha^{9}, 1)
                                                                                 P_{1642} = (9, 5, 5, 1) = (\alpha^4, \alpha^9, \alpha^9, 1)
P_{1598} = (13, 2, 5, 1) = (\alpha^{11}, \alpha, \alpha^{9}, 1)
                                                                                 P_{1643} = (10, 5, 5, 1) = (\alpha^{10}, \alpha^9, \alpha^9, 1)
P_{1599} = (14, 2, 5, 1) = (\alpha^8, \alpha, \alpha^9, 1)
                                                                                 P_{1644} = (11, 5, 5, 1) = (\alpha^5, \alpha^9, \alpha^9, 1)
P_{1600} = (15, 2, 5, 1) = (\alpha^6, \alpha, \alpha^9, 1)
                                                                                 P_{1645} = (12, 5, 5, 1) = (\alpha^{14}, \alpha^9, \alpha^9, 1)
P_{1601} = (0, 3, 5, 1) = (0, \alpha^{12}, \alpha^{9}, 1)
                                                                                 P_{1646} = (13, 5, 5, 1) = (\alpha^{11}, \alpha^9, \alpha^9, 1)
P_{1602} = (1, 3, 5, 1) = (1, \alpha^{12}, \alpha^{9}, 1)
                                                                                 P_{1647} = (14, 5, 5, 1) = (\alpha^8, \alpha^9, \alpha^9, 1)
P_{1603} = (2, 3, 5, 1) = (\alpha, \alpha^{12}, \alpha^{9}, 1)
                                                                                 P_{1648} = (15, 5, 5, 1) = (\alpha^6, \alpha^9, \alpha^9, 1)
P_{1604} = (3, 3, 5, 1) = (\alpha^{12}, \alpha^{12}, \alpha^{9}, 1)
                                                                                 P_{1649} = (0, 6, 5, 1) = (0, \alpha^{13}, \alpha^{9}, 1)
P_{1605} = (4, 3, 5, 1) = (\alpha^2, \alpha^{12}, \alpha^9, 1)
                                                                                 P_{1650} = (1, 6, 5, 1) = (1, \alpha^{13}, \alpha^{9}, 1)
P_{1606} = (5, 3, 5, 1) = (\alpha^9, \alpha^{12}, \alpha^9, 1)
                                                                                 P_{1651} = (2, 6, 5, 1) = (\alpha, \alpha^{13}, \alpha^{9}, 1)
                                                                                 P_{1652} = (3, 6, 5, 1) = (\alpha^{12}, \alpha^{13}, \alpha^{9}, 1)
P_{1607} = (6, 3, 5, 1) = (\alpha^{13}, \alpha^{12}, \alpha^{9}, 1)
P_{1608} = (7, 3, 5, 1) = (\alpha^7, \alpha^{12}, \alpha^9, 1)
                                                                                 P_{1653} = (4, 6, 5, 1) = (\alpha^2, \alpha^{13}, \alpha^9, 1)
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P_{1699} = (2, 9, 5, 1) = (\alpha, \alpha^4, \alpha^9, 1)
P_{1654} = (5, 6, 5, 1) = (\alpha^9, \alpha^{13}, \alpha^9, 1)
P_{1655} = (6, 6, 5, 1) = (\alpha^{13}, \alpha^{13}, \alpha^{9}, 1)
                                                                                   P_{1700} = (3, 9, 5, 1) = (\alpha^{12}, \alpha^4, \alpha^9, 1)
P_{1656} = (7, 6, 5, 1) = (\alpha^7, \alpha^{13}, \alpha^9, 1)
                                                                                   P_{1701} = (4, 9, 5, 1) = (\alpha^2, \alpha^4, \alpha^9, 1)
P_{1657} = (8, 6, 5, 1) = (\alpha^3, \alpha^{13}, \alpha^9, 1)
                                                                                   P_{1702} = (5, 9, 5, 1) = (\alpha^9, \alpha^4, \alpha^9, 1)
                                                                                  P_{1703} = (6, 9, 5, 1) = (\alpha^{13}, \alpha^4, \alpha^9, 1)
P_{1658} = (9, 6, 5, 1) = (\alpha^4, \alpha^{13}, \alpha^9, 1)
P_{1659} = (10, 6, 5, 1) = (\alpha^{10}, \alpha^{13}, \alpha^{9}, 1)
                                                                                   P_{1704} = (7, 9, 5, 1) = (\alpha^7, \alpha^4, \alpha^9, 1)
P_{1660} = (11, 6, 5, 1) = (\alpha^5, \alpha^{13}, \alpha^9, 1)
                                                                                   P_{1705} = (8, 9, 5, 1) = (\alpha^3, \alpha^4, \alpha^9, 1)
P_{1661} = (12, 6, 5, 1) = (\alpha^{14}, \alpha^{13}, \alpha^{9}, 1)
                                                                                   P_{1706} = (9, 9, 5, 1) = (\alpha^4, \alpha^4, \alpha^9, 1)
P_{1662} = (13, 6, 5, 1) = (\alpha^{11}, \alpha^{13}, \alpha^{9}, 1)
                                                                                  P_{1707} = (10, 9, 5, 1) = (\alpha^{10}, \alpha^4, \alpha^9, 1)
                                                                                  P_{1708} = (11, 9, 5, 1) = (\alpha^5, \alpha^4, \alpha^9, 1)
P_{1663} = (14, 6, 5, 1) = (\alpha^8, \alpha^{13}, \alpha^9, 1)
P_{1664} = (15, 6, 5, 1) = (\alpha^6, \alpha^{13}, \alpha^9, 1)
                                                                                   P_{1709} = (12, 9, 5, 1) = (\alpha^{14}, \alpha^4, \alpha^9, 1)
                                                                                   P_{1710} = (13, 9, 5, 1) = (\alpha^{11}, \alpha^4, \alpha^9, 1)
P_{1665} = (0, 7, 5, 1) = (0, \alpha^7, \alpha^9, 1)
                                                                                   P_{1711} = (14, 9, 5, 1) = (\alpha^8, \alpha^4, \alpha^9, 1)
P_{1666} = (1, 7, 5, 1) = (1, \alpha^7, \alpha^9, 1)
P_{1667} = (2, 7, 5, 1) = (\alpha, \alpha^7, \alpha^9, 1)
                                                                                   P_{1712} = (15, 9, 5, 1) = (\alpha^6, \alpha^4, \alpha^9, 1)
P_{1668} = (3, 7, 5, 1) = (\alpha^{12}, \alpha^7, \alpha^9, 1)
                                                                                   P_{1713} = (0, 10, 5, 1) = (0, \alpha^{10}, \alpha^{9}, 1)
                                                                                  P_{1714} = (1, 10, 5, 1) = (1, \alpha^{10}, \alpha^{9}, 1)
P_{1669} = (4, 7, 5, 1) = (\alpha^2, \alpha^7, \alpha^9, 1)
                                                                                   P_{1715} = (2, 10, 5, 1) = (\alpha, \alpha^{10}, \alpha^{9}, 1)
P_{1670} = (5, 7, 5, 1) = (\alpha^9, \alpha^7, \alpha^9, 1)
P_{1671} = (6, 7, 5, 1) = (\alpha^{13}, \alpha^7, \alpha^9, 1)
                                                                                  P_{1716} = (3, 10, 5, 1) = (\alpha^{12}, \alpha^{10}, \alpha^{9}, 1)
P_{1672} = (7, 7, 5, 1) = (\alpha^7, \alpha^7, \alpha^9, 1)
                                                                                   P_{1717} = (4, 10, 5, 1) = (\alpha^2, \alpha^{10}, \alpha^9, 1)
                                                                                   P_{1718} = (5, 10, 5, 1) = (\alpha^9, \alpha^{10}, \alpha^9, 1)
P_{1673} = (8, 7, 5, 1) = (\alpha^3, \alpha^7, \alpha^9, 1)
P_{1674} = (9, 7, 5, 1) = (\alpha^4, \alpha^7, \alpha^9, 1)
                                                                                   P_{1719} = (6, 10, 5, 1) = (\alpha^{13}, \alpha^{10}, \alpha^{9}, 1)
P_{1675} = (10, 7, 5, 1) = (\alpha^{10}, \alpha^7, \alpha^9, 1)
                                                                                   P_{1720} = (7, 10, 5, 1) = (\alpha^7, \alpha^{10}, \alpha^9, 1)
                                                                                   P_{1721} = (8, 10, 5, 1) = (\alpha^3, \alpha^{10}, \alpha^9, 1)
P_{1676} = (11, 7, 5, 1) = (\alpha^5, \alpha^7, \alpha^9, 1)
P_{1677} = (12, 7, 5, 1) = (\alpha^{14}, \alpha^7, \alpha^9, 1)
                                                                                   P_{1722} = (9, 10, 5, 1) = (\alpha^4, \alpha^{10}, \alpha^9, 1)
                                                                                   P_{1723} = (10, 10, 5, 1) = (\alpha^{10}, \alpha^{10}, \alpha^{9}, 1)
P_{1678} = (13, 7, 5, 1) = (\alpha^{11}, \alpha^7, \alpha^9, 1)
                                                                                  P_{1724} = (11, 10, 5, 1) = (\alpha^5, \alpha^{10}, \alpha^9, 1)
P_{1679} = (14, 7, 5, 1) = (\alpha^8, \alpha^7, \alpha^9, 1)
                                                                                   P_{1725} = (12, 10, 5, 1) = (\alpha^{14}, \alpha^{10}, \alpha^{9}, 1)
P_{1680} = (15, 7, 5, 1) = (\alpha^6, \alpha^7, \alpha^9, 1)
                                                                                   P_{1726} = (13, 10, 5, 1) = (\alpha^{11}, \alpha^{10}, \alpha^{9}, 1)
P_{1681} = (0, 8, 5, 1) = (0, \alpha^3, \alpha^9, 1)
                                                                                  P_{1727} = (14, 10, 5, 1) = (\alpha^8, \alpha^{10}, \alpha^9, 1)
P_{1682} = (1, 8, 5, 1) = (1, \alpha^3, \alpha^9, 1)
                                                                                  P_{1728} = (15, 10, 5, 1) = (\alpha^6, \alpha^{10}, \alpha^9, 1)
P_{1683} = (2, 8, 5, 1) = (\alpha, \alpha^3, \alpha^9, 1)
P_{1684} = (3, 8, 5, 1) = (\alpha^{12}, \alpha^3, \alpha^9, 1)
                                                                                   P_{1729} = (0, 11, 5, 1) = (0, \alpha^5, \alpha^9, 1)
P_{1685} = (4, 8, 5, 1) = (\alpha^2, \alpha^3, \alpha^9, 1)
                                                                                   P_{1730} = (1, 11, 5, 1) = (1, \alpha^5, \alpha^9, 1)
                                                                                   P_{1731} = (2, 11, 5, 1) = (\alpha, \alpha^5, \alpha^9, 1)
P_{1686} = (5, 8, 5, 1) = (\alpha^9, \alpha^3, \alpha^9, 1)
                                                                                  P_{1732} = (3, 11, 5, 1) = (\alpha^{12}, \alpha^5, \alpha^9, 1)
P_{1687} = (6, 8, 5, 1) = (\alpha^{13}, \alpha^3, \alpha^9, 1)
P_{1688} = (7, 8, 5, 1) = (\alpha^7, \alpha^3, \alpha^9, 1)
                                                                                   P_{1733} = (4, 11, 5, 1) = (\alpha^2, \alpha^5, \alpha^9, 1)
P_{1689} = (8, 8, 5, 1) = (\alpha^3, \alpha^3, \alpha^9, 1)
                                                                                   P_{1734} = (5, 11, 5, 1) = (\alpha^9, \alpha^5, \alpha^9, 1)
                                                                                  P_{1735} = (6, 11, 5, 1) = (\alpha^{13}, \alpha^5, \alpha^9, 1)
P_{1690} = (9, 8, 5, 1) = (\alpha^4, \alpha^3, \alpha^9, 1)
P_{1691} = (10, 8, 5, 1) = (\alpha^{10}, \alpha^3, \alpha^9, 1)
                                                                                   P_{1736} = (7, 11, 5, 1) = (\alpha^7, \alpha^5, \alpha^9, 1)
P_{1692} = (11, 8, 5, 1) = (\alpha^5, \alpha^3, \alpha^9, 1)
                                                                                   P_{1737} = (8, 11, 5, 1) = (\alpha^3, \alpha^5, \alpha^9, 1)
P_{1693} = (12, 8, 5, 1) = (\alpha^{14}, \alpha^3, \alpha^9, 1)
                                                                                   P_{1738} = (9, 11, 5, 1) = (\alpha^4, \alpha^5, \alpha^9, 1)
                                                                                   P_{1739} = (10, 11, 5, 1) = (\alpha^{10}, \alpha^5, \alpha^9, 1)
P_{1694} = (13, 8, 5, 1) = (\alpha^{11}, \alpha^3, \alpha^9, 1)
P_{1695} = (14, 8, 5, 1) = (\alpha^8, \alpha^3, \alpha^9, 1)
                                                                                   P_{1740} = (11, 11, 5, 1) = (\alpha^5, \alpha^5, \alpha^9, 1)
P_{1696} = (15, 8, 5, 1) = (\alpha^6, \alpha^3, \alpha^9, 1)
                                                                                   P_{1741} = (12, 11, 5, 1) = (\alpha^{14}, \alpha^5, \alpha^9, 1)
                                                                                   P_{1742} = (13, 11, 5, 1) = (\alpha^{11}, \alpha^5, \alpha^9, 1)
P_{1697} = (0, 9, 5, 1) = (0, \alpha^4, \alpha^9, 1)
                                                                                   P_{1743} = (14, 11, 5, 1) = (\alpha^8, \alpha^5, \alpha^9, 1)
P_{1698} = (1, 9, 5, 1) = (1, \alpha^4, \alpha^9, 1)
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P_{1744} = (15, 11, 5, 1) = (\alpha^6, \alpha^5, \alpha^9, 1)
                                                                                 P_{1789} = (12, 14, 5, 1) = (\alpha^{14}, \alpha^{8}, \alpha^{9}, 1)
P_{1745} = (0, 12, 5, 1) = (0, \alpha^{14}, \alpha^{9}, 1)
                                                                                 P_{1790} = (13, 14, 5, 1) = (\alpha^{11}, \alpha^8, \alpha^9, 1)
P_{1746} = (1, 12, 5, 1) = (1, \alpha^{14}, \alpha^{9}, 1)
                                                                                 P_{1791} = (14, 14, 5, 1) = (\alpha^8, \alpha^8, \alpha^9, 1)
P_{1747} = (2, 12, 5, 1) = (\alpha, \alpha^{14}, \alpha^{9}, 1)
                                                                                 P_{1792} = (15, 14, 5, 1) = (\alpha^6, \alpha^8, \alpha^9, 1)
P_{1748} = (3, 12, 5, 1) = (\alpha^{12}, \alpha^{14}, \alpha^{9}, 1)
                                                                                 P_{1793} = (0, 15, 5, 1) = (0, \alpha^6, \alpha^9, 1)
                                                                                 P_{1794} = (1, 15, 5, 1) = (1, \alpha^6, \alpha^9, 1)
P_{1749} = (4, 12, 5, 1) = (\alpha^2, \alpha^{14}, \alpha^9, 1)
P_{1750} = (5, 12, 5, 1) = (\alpha^9, \alpha^{14}, \alpha^9, 1)
                                                                                 P_{1795} = (2, 15, 5, 1) = (\alpha, \alpha^6, \alpha^9, 1)
P_{1751} = (6, 12, 5, 1) = (\alpha^{13}, \alpha^{14}, \alpha^{9}, 1)
                                                                                 P_{1796} = (3, 15, 5, 1) = (\alpha^{12}, \alpha^6, \alpha^9, 1)
P_{1752} = (7, 12, 5, 1) = (\alpha^7, \alpha^{14}, \alpha^9, 1)
                                                                                 P_{1797} = (4, 15, 5, 1) = (\alpha^2, \alpha^6, \alpha^9, 1)
P_{1753} = (8, 12, 5, 1) = (\alpha^3, \alpha^{14}, \alpha^9, 1)
                                                                                 P_{1798} = (5, 15, 5, 1) = (\alpha^9, \alpha^6, \alpha^9, 1)
P_{1754} = (9, 12, 5, 1) = (\alpha^4, \alpha^{14}, \alpha^9, 1)
                                                                                 P_{1799} = (6, 15, 5, 1) = (\alpha^{13}, \alpha^6, \alpha^9, 1)
P_{1755} = (10, 12, 5, 1) = (\alpha^{10}, \alpha^{14}, \alpha^{9}, 1)
                                                                                 P_{1800} = (7, 15, 5, 1) = (\alpha^7, \alpha^6, \alpha^9, 1)
P_{1756} = (11, 12, 5, 1) = (\alpha^5, \alpha^{14}, \alpha^9, 1)
                                                                                 P_{1801} = (8, 15, 5, 1) = (\alpha^3, \alpha^6, \alpha^9, 1)
P_{1757} = (12, 12, 5, 1) = (\alpha^{14}, \alpha^{14}, \alpha^{9}, 1)
                                                                                 P_{1802} = (9, 15, 5, 1) = (\alpha^4, \alpha^6, \alpha^9, 1)
P_{1758} = (13, 12, 5, 1) = (\alpha^{11}, \alpha^{14}, \alpha^{9}, 1)
                                                                                 P_{1803} = (10, 15, 5, 1) = (\alpha^{10}, \alpha^6, \alpha^9, 1)
P_{1759} = (14, 12, 5, 1) = (\alpha^8, \alpha^{14}, \alpha^9, 1)
                                                                                 P_{1804} = (11, 15, 5, 1) = (\alpha^5, \alpha^6, \alpha^9, 1)
P_{1760} = (15, 12, 5, 1) = (\alpha^6, \alpha^{14}, \alpha^9, 1)
                                                                                 P_{1805} = (12, 15, 5, 1) = (\alpha^{14}, \alpha^6, \alpha^9, 1)
                                                                                 P_{1806} = (13, 15, 5, 1) = (\alpha^{11}, \alpha^6, \alpha^9, 1)
P_{1761} = (0, 13, 5, 1) = (0, \alpha^{11}, \alpha^{9}, 1)
P_{1762} = (1, 13, 5, 1) = (1, \alpha^{11}, \alpha^{9}, 1)
                                                                                 P_{1807} = (14, 15, 5, 1) = (\alpha^8, \alpha^6, \alpha^9, 1)
P_{1763} = (2, 13, 5, 1) = (\alpha, \alpha^{11}, \alpha^{9}, 1)
                                                                                 P_{1808} = (15, 15, 5, 1) = (\alpha^6, \alpha^6, \alpha^9, 1)
P_{1764} = (3, 13, 5, 1) = (\alpha^{12}, \alpha^{11}, \alpha^{9}, 1)
                                                                                 P_{1809} = (0, 0, 6, 1) = (0, 0, \alpha^{13}, 1)
P_{1765} = (4, 13, 5, 1) = (\alpha^2, \alpha^{11}, \alpha^9, 1)
                                                                                 P_{1810} = (1, 0, 6, 1) = (1, 0, \alpha^{13}, 1)
P_{1766} = (5, 13, 5, 1) = (\alpha^9, \alpha^{11}, \alpha^9, 1)
                                                                                 P_{1811} = (2, 0, 6, 1) = (\alpha, 0, \alpha^{13}, 1)
                                                                                 P_{1812} = (3, 0, 6, 1) = (\alpha^{12}, 0, \alpha^{13}, 1)
P_{1767} = (6, 13, 5, 1) = (\alpha^{13}, \alpha^{11}, \alpha^{9}, 1)
                                                                                 P_{1813} = (4, 0, 6, 1) = (\alpha^2, 0, \alpha^{13}, 1)
P_{1768} = (7, 13, 5, 1) = (\alpha^7, \alpha^{11}, \alpha^9, 1)
                                                                                 P_{1814} = (5, 0, 6, 1) = (\alpha^9, 0, \alpha^{13}, 1)
P_{1769} = (8, 13, 5, 1) = (\alpha^3, \alpha^{11}, \alpha^9, 1)
P_{1770} = (9, 13, 5, 1) = (\alpha^4, \alpha^{11}, \alpha^9, 1)
                                                                                 P_{1815} = (6, 0, 6, 1) = (\alpha^{13}, 0, \alpha^{13}, 1)
P_{1771} = (10, 13, 5, 1) = (\alpha^{10}, \alpha^{11}, \alpha^{9}, 1)
                                                                                 P_{1816} = (7, 0, 6, 1) = (\alpha^7, 0, \alpha^{13}, 1)
P_{1772} = (11, 13, 5, 1) = (\alpha^5, \alpha^{11}, \alpha^9, 1)
                                                                                 P_{1817} = (8, 0, 6, 1) = (\alpha^3, 0, \alpha^{13}, 1)
P_{1773} = (12, 13, 5, 1) = (\alpha^{14}, \alpha^{11}, \alpha^{9}, 1)
                                                                                 P_{1818} = (9, 0, 6, 1) = (\alpha^4, 0, \alpha^{13}, 1)
                                                                                 P_{1819} = (10, 0, 6, 1) = (\alpha^{10}, 0, \alpha^{13}, 1)
P_{1774} = (13, 13, 5, 1) = (\alpha^{11}, \alpha^{11}, \alpha^{9}, 1)
                                                                                 P_{1820} = (11, 0, 6, 1) = (\alpha^5, 0, \alpha^{13}, 1)
P_{1775} = (14, 13, 5, 1) = (\alpha^8, \alpha^{11}, \alpha^9, 1)
                                                                                 P_{1821} = (12, 0, 6, 1) = (\alpha^{14}, 0, \alpha^{13}, 1)
P_{1776} = (15, 13, 5, 1) = (\alpha^6, \alpha^{11}, \alpha^9, 1)
                                                                                 P_{1822} = (13, 0, 6, 1) = (\alpha^{11}, 0, \alpha^{13}, 1)
P_{1777} = (0, 14, 5, 1) = (0, \alpha^8, \alpha^9, 1)
P_{1778} = (1, 14, 5, 1) = (1, \alpha^8, \alpha^9, 1)
                                                                                 P_{1823} = (14, 0, 6, 1) = (\alpha^8, 0, \alpha^{13}, 1)
P_{1779} = (2, 14, 5, 1) = (\alpha, \alpha^8, \alpha^9, 1)
                                                                                 P_{1824} = (15, 0, 6, 1) = (\alpha^6, 0, \alpha^{13}, 1)
P_{1780} = (3, 14, 5, 1) = (\alpha^{12}, \alpha^8, \alpha^9, 1)
                                                                                 P_{1825} = (0, 1, 6, 1) = (0, 1, \alpha^{13}, 1)
P_{1781} = (4, 14, 5, 1) = (\alpha^2, \alpha^8, \alpha^9, 1)
                                                                                 P_{1826} = (1, 1, 6, 1) = (1, 1, \alpha^{13}, 1)
P_{1782} = (5, 14, 5, 1) = (\alpha^9, \alpha^8, \alpha^9, 1)
                                                                                 P_{1827} = (2, 1, 6, 1) = (\alpha, 1, \alpha^{13}, 1)
P_{1783} = (6, 14, 5, 1) = (\alpha^{13}, \alpha^8, \alpha^9, 1)
                                                                                 P_{1828} = (3, 1, 6, 1) = (\alpha^{12}, 1, \alpha^{13}, 1)
P_{1784} = (7, 14, 5, 1) = (\alpha^7, \alpha^8, \alpha^9, 1)
                                                                                 P_{1829} = (4, 1, 6, 1) = (\alpha^2, 1, \alpha^{13}, 1)
P_{1785} = (8, 14, 5, 1) = (\alpha^3, \alpha^8, \alpha^9, 1)
                                                                                 P_{1830} = (5, 1, 6, 1) = (\alpha^9, 1, \alpha^{13}, 1)
P_{1786} = (9, 14, 5, 1) = (\alpha^4, \alpha^8, \alpha^9, 1)
                                                                                 P_{1831} = (6, 1, 6, 1) = (\alpha^{13}, 1, \alpha^{13}, 1)
P_{1787} = (10, 14, 5, 1) = (\alpha^{10}, \alpha^8, \alpha^9, 1)
                                                                                 P_{1832} = (7, 1, 6, 1) = (\alpha^7, 1, \alpha^{13}, 1)
P_{1788} = (11, 14, 5, 1) = (\alpha^5, \alpha^8, \alpha^9, 1)
                                                                                 P_{1833} = (8, 1, 6, 1) = (\alpha^3, 1, \alpha^{13}, 1)
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P_{1879} = (6, 4, 6, 1) = (\alpha^{13}, \alpha^2, \alpha^{13}, 1)
P_{1834} = (9, 1, 6, 1) = (\alpha^4, 1, \alpha^{13}, 1)
P_{1835} = (10, 1, 6, 1) = (\alpha^{10}, 1, \alpha^{13}, 1)
                                                                                    P_{1880} = (7, 4, 6, 1) = (\alpha^7, \alpha^2, \alpha^{13}, 1)
P_{1836} = (11, 1, 6, 1) = (\alpha^5, 1, \alpha^{13}, 1)
                                                                                    P_{1881} = (8, 4, 6, 1) = (\alpha^3, \alpha^2, \alpha^{13}, 1)
P_{1837} = (12, 1, 6, 1) = (\alpha^{14}, 1, \alpha^{13}, 1)
                                                                                    P_{1882} = (9, 4, 6, 1) = (\alpha^4, \alpha^2, \alpha^{13}, 1)
                                                                                    P_{1883} = (10, 4, 6, 1) = (\alpha^{10}, \alpha^2, \alpha^{13}, 1)
P_{1838} = (13, 1, 6, 1) = (\alpha^{11}, 1, \alpha^{13}, 1)
P_{1839} = (14, 1, 6, 1) = (\alpha^8, 1, \alpha^{13}, 1)
                                                                                    P_{1884} = (11, 4, 6, 1) = (\alpha^5, \alpha^2, \alpha^{13}, 1)
P_{1840} = (15, 1, 6, 1) = (\alpha^6, 1, \alpha^{13}, 1)
                                                                                    P_{1885} = (12, 4, 6, 1) = (\alpha^{14}, \alpha^2, \alpha^{13}, 1)
P_{1841} = (0, 2, 6, 1) = (0, \alpha, \alpha^{13}, 1)
                                                                                    P_{1886} = (13, 4, 6, 1) = (\alpha^{11}, \alpha^2, \alpha^{13}, 1)
P_{1842} = (1, 2, 6, 1) = (1, \alpha, \alpha^{13}, 1)
                                                                                    P_{1887} = (14, 4, 6, 1) = (\alpha^8, \alpha^2, \alpha^{13}, 1)
                                                                                    P_{1888} = (15, 4, 6, 1) = (\alpha^6, \alpha^2, \alpha^{13}, 1)
P_{1843} = (2, 2, 6, 1) = (\alpha, \alpha, \alpha^{13}, 1)
P_{1844} = (3, 2, 6, 1) = (\alpha^{12}, \alpha, \alpha^{13}, 1)
                                                                                    P_{1889} = (0, 5, 6, 1) = (0, \alpha^9, \alpha^{13}, 1)
P_{1845} = (4, 2, 6, 1) = (\alpha^2, \alpha, \alpha^{13}, 1)
                                                                                    P_{1890} = (1, 5, 6, 1) = (1, \alpha^9, \alpha^{13}, 1)
                                                                                    P_{1891} = (2, 5, 6, 1) = (\alpha, \alpha^9, \alpha^{13}, 1)
P_{1846} = (5, 2, 6, 1) = (\alpha^9, \alpha, \alpha^{13}, 1)
P_{1847} = (6, 2, 6, 1) = (\alpha^{13}, \alpha, \alpha^{13}, 1)
                                                                                    P_{1892} = (3, 5, 6, 1) = (\alpha^{12}, \alpha^9, \alpha^{13}, 1)
P_{1848} = (7, 2, 6, 1) = (\alpha^7, \alpha, \alpha^{13}, 1)
                                                                                    P_{1893} = (4, 5, 6, 1) = (\alpha^2, \alpha^9, \alpha^{13}, 1)
P_{1849} = (8, 2, 6, 1) = (\alpha^3, \alpha, \alpha^{13}, 1)
                                                                                    P_{1894} = (5, 5, 6, 1) = (\alpha^9, \alpha^9, \alpha^{13}, 1)
                                                                                    P_{1895} = (6, 5, 6, 1) = (\alpha^{13}, \alpha^9, \alpha^{13}, 1)
P_{1850} = (9, 2, 6, 1) = (\alpha^4, \alpha, \alpha^{13}, 1)
P_{1851} = (10, 2, 6, 1) = (\alpha^{10}, \alpha, \alpha^{13}, 1)
                                                                                    P_{1896} = (7, 5, 6, 1) = (\alpha^7, \alpha^9, \alpha^{13}, 1)
P_{1852} = (11, 2, 6, 1) = (\alpha^5, \alpha, \alpha^{13}, 1)
                                                                                    P_{1897} = (8, 5, 6, 1) = (\alpha^3, \alpha^9, \alpha^{13}, 1)
P_{1853} = (12, 2, 6, 1) = (\alpha^{14}, \alpha, \alpha^{13}, 1)
                                                                                    P_{1898} = (9, 5, 6, 1) = (\alpha^4, \alpha^9, \alpha^{13}, 1)
P_{1854} = (13, 2, 6, 1) = (\alpha^{11}, \alpha, \alpha^{13}, 1)
                                                                                    P_{1899} = (10, 5, 6, 1) = (\alpha^{10}, \alpha^9, \alpha^{13}, 1)
P_{1855} = (14, 2, 6, 1) = (\alpha^8, \alpha, \alpha^{13}, 1)
                                                                                    P_{1900} = (11, 5, 6, 1) = (\alpha^5, \alpha^9, \alpha^{13}, 1)
P_{1856} = (15, 2, 6, 1) = (\alpha^6, \alpha, \alpha^{13}, 1)
                                                                                    P_{1901} = (12, 5, 6, 1) = (\alpha^{14}, \alpha^9, \alpha^{13}, 1)
P_{1857} = (0, 3, 6, 1) = (0, \alpha^{12}, \alpha^{13}, 1)
                                                                                    P_{1902} = (13, 5, 6, 1) = (\alpha^{11}, \alpha^9, \alpha^{13}, 1)
P_{1858} = (1, 3, 6, 1) = (1, \alpha^{12}, \alpha^{13}, 1)
                                                                                    P_{1903} = (14, 5, 6, 1) = (\alpha^8, \alpha^9, \alpha^{13}, 1)
P_{1859} = (2, 3, 6, 1) = (\alpha, \alpha^{12}, \alpha^{13}, 1)
                                                                                    P_{1904} = (15, 5, 6, 1) = (\alpha^6, \alpha^9, \alpha^{13}, 1)
P_{1860} = (3, 3, 6, 1) = (\alpha^{12}, \alpha^{12}, \alpha^{13}, 1)
                                                                                    P_{1905} = (0, 6, 6, 1) = (0, \alpha^{13}, \alpha^{13}, 1)
P_{1861} = (4, 3, 6, 1) = (\alpha^2, \alpha^{12}, \alpha^{13}, 1)
                                                                                    P_{1906} = (1, 6, 6, 1) = (1, \alpha^{13}, \alpha^{13}, 1)
P_{1862} = (5, 3, 6, 1) = (\alpha^9, \alpha^{12}, \alpha^{13}, 1)
                                                                                    P_{1907} = (2, 6, 6, 1) = (\alpha, \alpha^{13}, \alpha^{13}, 1)
P_{1863} = (6, 3, 6, 1) = (\alpha^{13}, \alpha^{12}, \alpha^{13}, 1)
                                                                                    P_{1908} = (3, 6, 6, 1) = (\alpha^{12}, \alpha^{13}, \alpha^{13}, 1)
P_{1864} = (7, 3, 6, 1) = (\alpha^7, \alpha^{12}, \alpha^{13}, 1)
                                                                                    P_{1909} = (4, 6, 6, 1) = (\alpha^2, \alpha^{13}, \alpha^{13}, 1)
                                                                                    P_{1910} = (5, 6, 6, 1) = (\alpha^9, \alpha^{13}, \alpha^{13}, 1)
P_{1865} = (8, 3, 6, 1) = (\alpha^3, \alpha^{12}, \alpha^{13}, 1)
P_{1866} = (9, 3, 6, 1) = (\alpha^4, \alpha^{12}, \alpha^{13}, 1)
                                                                                    P_{1911} = (6, 6, 6, 1) = (\alpha^{13}, \alpha^{13}, \alpha^{13}, 1)
P_{1867} = (10, 3, 6, 1) = (\alpha^{10}, \alpha^{12}, \alpha^{13}, 1)
                                                                                    P_{1912} = (7, 6, 6, 1) = (\alpha^7, \alpha^{13}, \alpha^{13}, 1)
                                                                                    P_{1913} = (8, 6, 6, 1) = (\alpha^3, \alpha^{13}, \alpha^{13}, 1)
P_{1868} = (11, 3, 6, 1) = (\alpha^5, \alpha^{12}, \alpha^{13}, 1)
                                                                                    P_{1914} = (9, 6, 6, 1) = (\alpha^4, \alpha^{13}, \alpha^{13}, 1)
P_{1869} = (12, 3, 6, 1) = (\alpha^{14}, \alpha^{12}, \alpha^{13}, 1)
P_{1870} = (13, 3, 6, 1) = (\alpha^{11}, \alpha^{12}, \alpha^{13}, 1)
                                                                                    P_{1915} = (10, 6, 6, 1) = (\alpha^{10}, \alpha^{13}, \alpha^{13}, 1)
P_{1871} = (14, 3, 6, 1) = (\alpha^8, \alpha^{12}, \alpha^{13}, 1)
                                                                                    P_{1916} = (11, 6, 6, 1) = (\alpha^5, \alpha^{13}, \alpha^{13}, 1)
P_{1872} = (15, 3, 6, 1) = (\alpha^6, \alpha^{12}, \alpha^{13}, 1)
                                                                                    P_{1917} = (12, 6, 6, 1) = (\alpha^{14}, \alpha^{13}, \alpha^{13}, 1)
P_{1873} = (0, 4, 6, 1) = (0, \alpha^2, \alpha^{13}, 1)
                                                                                    P_{1918} = (13, 6, 6, 1) = (\alpha^{11}, \alpha^{13}, \alpha^{13}, 1)
                                                                                    P_{1919} = (14, 6, 6, 1) = (\alpha^8, \alpha^{13}, \alpha^{13}, 1)
P_{1874} = (1, 4, 6, 1) = (1, \alpha^2, \alpha^{13}, 1)
P_{1875} = (2, 4, 6, 1) = (\alpha, \alpha^2, \alpha^{13}, 1)
                                                                                    P_{1920} = (15, 6, 6, 1) = (\alpha^6, \alpha^{13}, \alpha^{13}, 1)
P_{1876} = (3, 4, 6, 1) = (\alpha^{12}, \alpha^2, \alpha^{13}, 1)
                                                                                    P_{1921} = (0, 7, 6, 1) = (0, \alpha^7, \alpha^{13}, 1)
P_{1877} = (4, 4, 6, 1) = (\alpha^2, \alpha^2, \alpha^{13}, 1)
                                                                                    P_{1922} = (1, 7, 6, 1) = (1, \alpha^7, \alpha^{13}, 1)
P_{1878} = (5, 4, 6, 1) = (\alpha^9, \alpha^2, \alpha^{13}, 1)
                                                                                    P_{1923} = (2, 7, 6, 1) = (\alpha, \alpha^7, \alpha^{13}, 1)
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P_{1924} = (3, 7, 6, 1) = (\alpha^{12}, \alpha^7, \alpha^{13}, 1)
                                                                                    P_{1969} = (0, 10, 6, 1) = (0, \alpha^{10}, \alpha^{13}, 1)
P_{1925} = (4, 7, 6, 1) = (\alpha^2, \alpha^7, \alpha^{13}, 1)
                                                                                    P_{1970} = (1, 10, 6, 1) = (1, \alpha^{10}, \alpha^{13}, 1)
                                                                                    P_{1971} = (2, 10, 6, 1) = (\alpha, \alpha^{10}, \alpha^{13}, 1)
P_{1926} = (5, 7, 6, 1) = (\alpha^9, \alpha^7, \alpha^{13}, 1)
                                                                                    P_{1972} = (3, 10, 6, 1) = (\alpha^{12}, \alpha^{10}, \alpha^{13}, 1)
P_{1927} = (6, 7, 6, 1) = (\alpha^{13}, \alpha^7, \alpha^{13}, 1)
                                                                                    P_{1973} = (4, 10, 6, 1) = (\alpha^2, \alpha^{10}, \alpha^{13}, 1)
P_{1928} = (7, 7, 6, 1) = (\alpha^7, \alpha^7, \alpha^{13}, 1)
P_{1929} = (8,7,6,1) = (\alpha^3, \alpha^7, \alpha^{13}, 1)
                                                                                    P_{1974} = (5, 10, 6, 1) = (\alpha^9, \alpha^{10}, \alpha^{13}, 1)
                                                                                    P_{1975} = (6, 10, 6, 1) = (\alpha^{13}, \alpha^{10}, \alpha^{13}, 1)
P_{1930} = (9, 7, 6, 1) = (\alpha^4, \alpha^7, \alpha^{13}, 1)
P_{1931} = (10, 7, 6, 1) = (\alpha^{10}, \alpha^7, \alpha^{13}, 1)
                                                                                    P_{1976} = (7, 10, 6, 1) = (\alpha^7, \alpha^{10}, \alpha^{13}, 1)
P_{1932} = (11, 7, 6, 1) = (\alpha^5, \alpha^7, \alpha^{13}, 1)
                                                                                    P_{1977} = (8, 10, 6, 1) = (\alpha^3, \alpha^{10}, \alpha^{13}, 1)
P_{1933} = (12, 7, 6, 1) = (\alpha^{14}, \alpha^7, \alpha^{13}, 1)
                                                                                    P_{1978} = (9, 10, 6, 1) = (\alpha^4, \alpha^{10}, \alpha^{13}, 1)
                                                                                    P_{1979} = (10, 10, 6, 1) = (\alpha^{10}, \alpha^{10}, \alpha^{13}, 1)
P_{1934} = (13, 7, 6, 1) = (\alpha^{11}, \alpha^7, \alpha^{13}, 1)
P_{1935} = (14, 7, 6, 1) = (\alpha^8, \alpha^7, \alpha^{13}, 1)
                                                                                    P_{1980} = (11, 10, 6, 1) = (\alpha^5, \alpha^{10}, \alpha^{13}, 1)
                                                                                    P_{1981} = (12, 10, 6, 1) = (\alpha^{14}, \alpha^{10}, \alpha^{13}, 1)
P_{1936} = (15, 7, 6, 1) = (\alpha^6, \alpha^7, \alpha^{13}, 1)
P_{1937} = (0, 8, 6, 1) = (0, \alpha^3, \alpha^{13}, 1)
                                                                                    P_{1982} = (13, 10, 6, 1) = (\alpha^{11}, \alpha^{10}, \alpha^{13}, 1)
P_{1938} = (1, 8, 6, 1) = (1, \alpha^3, \alpha^{13}, 1)
                                                                                    P_{1983} = (14, 10, 6, 1) = (\alpha^8, \alpha^{10}, \alpha^{13}, 1)
P_{1939} = (2, 8, 6, 1) = (\alpha, \alpha^3, \alpha^{13}, 1)
                                                                                    P_{1984} = (15, 10, 6, 1) = (\alpha^6, \alpha^{10}, \alpha^{13}, 1)
P_{1940} = (3, 8, 6, 1) = (\alpha^{12}, \alpha^3, \alpha^{13}, 1)
                                                                                    P_{1985} = (0, 11, 6, 1) = (0, \alpha^5, \alpha^{13}, 1)
P_{1941} = (4, 8, 6, 1) = (\alpha^2, \alpha^3, \alpha^{13}, 1)
                                                                                    P_{1986} = (1, 11, 6, 1) = (1, \alpha^5, \alpha^{13}, 1)
P_{1942} = (5, 8, 6, 1) = (\alpha^9, \alpha^3, \alpha^{13}, 1)
                                                                                    P_{1987} = (2, 11, 6, 1) = (\alpha, \alpha^5, \alpha^{13}, 1)
                                                                                    P_{1988} = (3, 11, 6, 1) = (\alpha^{12}, \alpha^5, \alpha^{13}, 1)
P_{1943} = (6, 8, 6, 1) = (\alpha^{13}, \alpha^3, \alpha^{13}, 1)
P_{1944} = (7, 8, 6, 1) = (\alpha^7, \alpha^3, \alpha^{13}, 1)
                                                                                    P_{1989} = (4, 11, 6, 1) = (\alpha^2, \alpha^5, \alpha^{13}, 1)
P_{1945} = (8, 8, 6, 1) = (\alpha^3, \alpha^3, \alpha^{13}, 1)
                                                                                    P_{1990} = (5, 11, 6, 1) = (\alpha^9, \alpha^5, \alpha^{13}, 1)
P_{1946} = (9, 8, 6, 1) = (\alpha^4, \alpha^3, \alpha^{13}, 1)
                                                                                    P_{1991} = (6, 11, 6, 1) = (\alpha^{13}, \alpha^5, \alpha^{13}, 1)
P_{1947} = (10, 8, 6, 1) = (\alpha^{10}, \alpha^3, \alpha^{13}, 1)
                                                                                    P_{1992} = (7, 11, 6, 1) = (\alpha^7, \alpha^5, \alpha^{13}, 1)
P_{1948} = (11, 8, 6, 1) = (\alpha^5, \alpha^3, \alpha^{13}, 1)
                                                                                    P_{1993} = (8, 11, 6, 1) = (\alpha^3, \alpha^5, \alpha^{13}, 1)
P_{1949} = (12, 8, 6, 1) = (\alpha^{14}, \alpha^{3}, \alpha^{13}, 1)
                                                                                    P_{1994} = (9, 11, 6, 1) = (\alpha^4, \alpha^5, \alpha^{13}, 1)
                                                                                    P_{1995} = (10, 11, 6, 1) = (\alpha^{10}, \alpha^5, \alpha^{13}, 1)
P_{1950} = (13, 8, 6, 1) = (\alpha^{11}, \alpha^3, \alpha^{13}, 1)
P_{1951} = (14, 8, 6, 1) = (\alpha^8, \alpha^3, \alpha^{13}, 1)
                                                                                    P_{1996} = (11, 11, 6, 1) = (\alpha^5, \alpha^5, \alpha^{13}, 1)
P_{1952} = (15, 8, 6, 1) = (\alpha^6, \alpha^3, \alpha^{13}, 1)
                                                                                    P_{1997} = (12, 11, 6, 1) = (\alpha^{14}, \alpha^5, \alpha^{13}, 1)
                                                                                    P_{1998} = (13, 11, 6, 1) = (\alpha^{11}, \alpha^5, \alpha^{13}, 1)
P_{1953} = (0, 9, 6, 1) = (0, \alpha^4, \alpha^{13}, 1)
P_{1954} = (1, 9, 6, 1) = (1, \alpha^4, \alpha^{13}, 1)
                                                                                    P_{1999} = (14, 11, 6, 1) = (\alpha^8, \alpha^5, \alpha^{13}, 1)
                                                                                    P_{2000} = (15, 11, 6, 1) = (\alpha^6, \alpha^5, \alpha^{13}, 1)
P_{1955} = (2, 9, 6, 1) = (\alpha, \alpha^4, \alpha^{13}, 1)
P_{1956} = (3, 9, 6, 1) = (\alpha^{12}, \alpha^4, \alpha^{13}, 1)
                                                                                    P_{2001} = (0, 12, 6, 1) = (0, \alpha^{14}, \alpha^{13}, 1)
                                                                                    P_{2002} = (1, 12, 6, 1) = (1, \alpha^{14}, \alpha^{13}, 1)
P_{1957} = (4, 9, 6, 1) = (\alpha^2, \alpha^4, \alpha^{13}, 1)
                                                                                    P_{2003} = (2, 12, 6, 1) = (\alpha, \alpha^{14}, \alpha^{13}, 1)
P_{1958} = (5, 9, 6, 1) = (\alpha^9, \alpha^4, \alpha^{13}, 1)
P_{1959} = (6, 9, 6, 1) = (\alpha^{13}, \alpha^4, \alpha^{13}, 1)
                                                                                    P_{2004} = (3, 12, 6, 1) = (\alpha^{12}, \alpha^{14}, \alpha^{13}, 1)
P_{1960} = (7, 9, 6, 1) = (\alpha^7, \alpha^4, \alpha^{13}, 1)
                                                                                    P_{2005} = (4, 12, 6, 1) = (\alpha^2, \alpha^{14}, \alpha^{13}, 1)
                                                                                    P_{2006} = (5, 12, 6, 1) = (\alpha^9, \alpha^{14}, \alpha^{13}, 1)
P_{1961} = (8, 9, 6, 1) = (\alpha^3, \alpha^4, \alpha^{13}, 1)
P_{1962} = (9, 9, 6, 1) = (\alpha^4, \alpha^4, \alpha^{13}, 1)
                                                                                    P_{2007} = (6, 12, 6, 1) = (\alpha^{13}, \alpha^{14}, \alpha^{13}, 1)
P_{1963} = (10, 9, 6, 1) = (\alpha^{10}, \alpha^4, \alpha^{13}, 1)
                                                                                    P_{2008} = (7, 12, 6, 1) = (\alpha^7, \alpha^{14}, \alpha^{13}, 1)
P_{1964} = (11, 9, 6, 1) = (\alpha^5, \alpha^4, \alpha^{13}, 1)
                                                                                    P_{2009} = (8, 12, 6, 1) = (\alpha^3, \alpha^{14}, \alpha^{13}, 1)
P_{1965} = (12, 9, 6, 1) = (\alpha^{14}, \alpha^4, \alpha^{13}, 1)
                                                                                    P_{2010} = (9, 12, 6, 1) = (\alpha^4, \alpha^{14}, \alpha^{13}, 1)
P_{1966} = (13, 9, 6, 1) = (\alpha^{11}, \alpha^4, \alpha^{13}, 1)
                                                                                    P_{2011} = (10, 12, 6, 1) = (\alpha^{10}, \alpha^{14}, \alpha^{13}, 1)
P_{1967} = (14, 9, 6, 1) = (\alpha^8, \alpha^4, \alpha^{13}, 1)
                                                                                    P_{2012} = (11, 12, 6, 1) = (\alpha^5, \alpha^{14}, \alpha^{13}, 1)
                                                                                    P_{2013} = (12, 12, 6, 1) = (\alpha^{14}, \alpha^{14}, \alpha^{13}, 1)
P_{1968} = (15, 9, 6, 1) = (\alpha^6, \alpha^4, \alpha^{13}, 1)
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P_{2014} = (13, 12, 6, 1) = (\alpha^{11}, \alpha^{14}, \alpha^{13}, 1)
                                                                                 P_{2059} = (10, 15, 6, 1) = (\alpha^{10}, \alpha^6, \alpha^{13}, 1)
P_{2015} = (14, 12, 6, 1) = (\alpha^8, \alpha^{14}, \alpha^{13}, 1)
                                                                                 P_{2060} = (11, 15, 6, 1) = (\alpha^5, \alpha^6, \alpha^{13}, 1)
P_{2016} = (15, 12, 6, 1) = (\alpha^6, \alpha^{14}, \alpha^{13}, 1)
                                                                                 P_{2061} = (12, 15, 6, 1) = (\alpha^{14}, \alpha^6, \alpha^{13}, 1)
P_{2017} = (0, 13, 6, 1) = (0, \alpha^{11}, \alpha^{13}, 1)
                                                                                 P_{2062} = (13, 15, 6, 1) = (\alpha^{11}, \alpha^6, \alpha^{13}, 1)
                                                                                 P_{2063} = (14, 15, 6, 1) = (\alpha^8, \alpha^6, \alpha^{13}, 1)
P_{2018} = (1, 13, 6, 1) = (1, \alpha^{11}, \alpha^{13}, 1)
P_{2019} = (2, 13, 6, 1) = (\alpha, \alpha^{11}, \alpha^{13}, 1)
                                                                                 P_{2064} = (15, 15, 6, 1) = (\alpha^6, \alpha^6, \alpha^{13}, 1)
P_{2020} = (3, 13, 6, 1) = (\alpha^{12}, \alpha^{11}, \alpha^{13}, 1)
                                                                                 P_{2065} = (0, 0, 7, 1) = (0, 0, \alpha^7, 1)
P_{2021} = (4, 13, 6, 1) = (\alpha^2, \alpha^{11}, \alpha^{13}, 1)
                                                                                 P_{2066} = (1, 0, 7, 1) = (1, 0, \alpha^7, 1)
P_{2022} = (5, 13, 6, 1) = (\alpha^9, \alpha^{11}, \alpha^{13}, 1)
                                                                                 P_{2067} = (2, 0, 7, 1) = (\alpha, 0, \alpha^7, 1)
P_{2023} = (6, 13, 6, 1) = (\alpha^{13}, \alpha^{11}, \alpha^{13}, 1)
                                                                                 P_{2068} = (3, 0, 7, 1) = (\alpha^{12}, 0, \alpha^{7}, 1)
P_{2024} = (7, 13, 6, 1) = (\alpha^7, \alpha^{11}, \alpha^{13}, 1)
                                                                                 P_{2069} = (4, 0, 7, 1) = (\alpha^2, 0, \alpha^7, 1)
P_{2025} = (8, 13, 6, 1) = (\alpha^3, \alpha^{11}, \alpha^{13}, 1)
                                                                                 P_{2070} = (5, 0, 7, 1) = (\alpha^9, 0, \alpha^7, 1)
P_{2026} = (9, 13, 6, 1) = (\alpha^4, \alpha^{11}, \alpha^{13}, 1)
                                                                                 P_{2071} = (6, 0, 7, 1) = (\alpha^{13}, 0, \alpha^{7}, 1)
P_{2027} = (10, 13, 6, 1) = (\alpha^{10}, \alpha^{11}, \alpha^{13}, 1)
                                                                                 P_{2072} = (7, 0, 7, 1) = (\alpha^7, 0, \alpha^7, 1)
P_{2028} = (11, 13, 6, 1) = (\alpha^5, \alpha^{11}, \alpha^{13}, 1)
                                                                                 P_{2073} = (8, 0, 7, 1) = (\alpha^3, 0, \alpha^7, 1)
P_{2029} = (12, 13, 6, 1) = (\alpha^{14}, \alpha^{11}, \alpha^{13}, 1)
                                                                                 P_{2074} = (9, 0, 7, 1) = (\alpha^4, 0, \alpha^7, 1)
P_{2030} = (13, 13, 6, 1) = (\alpha^{11}, \alpha^{11}, \alpha^{13}, 1)
                                                                                 P_{2075} = (10, 0, 7, 1) = (\alpha^{10}, 0, \alpha^7, 1)
P_{2031} = (14, 13, 6, 1) = (\alpha^8, \alpha^{11}, \alpha^{13}, 1)
                                                                                 P_{2076} = (11, 0, 7, 1) = (\alpha^5, 0, \alpha^7, 1)
P_{2032} = (15, 13, 6, 1) = (\alpha^6, \alpha^{11}, \alpha^{13}, 1)
                                                                                 P_{2077} = (12, 0, 7, 1) = (\alpha^{14}, 0, \alpha^{7}, 1)
P_{2033} = (0, 14, 6, 1) = (0, \alpha^8, \alpha^{13}, 1)
                                                                                 P_{2078} = (13, 0, 7, 1) = (\alpha^{11}, 0, \alpha^7, 1)
P_{2034} = (1, 14, 6, 1) = (1, \alpha^8, \alpha^{13}, 1)
                                                                                 P_{2079} = (14, 0, 7, 1) = (\alpha^8, 0, \alpha^7, 1)
P_{2035} = (2, 14, 6, 1) = (\alpha, \alpha^8, \alpha^{13}, 1)
                                                                                 P_{2080} = (15, 0, 7, 1) = (\alpha^6, 0, \alpha^7, 1)
P_{2036} = (3, 14, 6, 1) = (\alpha^{12}, \alpha^8, \alpha^{13}, 1)
                                                                                 P_{2081} = (0, 1, 7, 1) = (0, 1, \alpha^7, 1)
P_{2037} = (4, 14, 6, 1) = (\alpha^2, \alpha^8, \alpha^{13}, 1)
                                                                                 P_{2082} = (1, 1, 7, 1) = (1, 1, \alpha^7, 1)
P_{2038} = (5, 14, 6, 1) = (\alpha^9, \alpha^8, \alpha^{13}, 1)
                                                                                 P_{2083} = (2, 1, 7, 1) = (\alpha, 1, \alpha^7, 1)
P_{2039} = (6, 14, 6, 1) = (\alpha^{13}, \alpha^8, \alpha^{13}, 1)
                                                                                 P_{2084} = (3, 1, 7, 1) = (\alpha^{12}, 1, \alpha^{7}, 1)
P_{2040} = (7, 14, 6, 1) = (\alpha^7, \alpha^8, \alpha^{13}, 1)
                                                                                 P_{2085} = (4, 1, 7, 1) = (\alpha^2, 1, \alpha^7, 1)
P_{2041} = (8, 14, 6, 1) = (\alpha^3, \alpha^8, \alpha^{13}, 1)
                                                                                 P_{2086} = (5, 1, 7, 1) = (\alpha^9, 1, \alpha^7, 1)
                                                                                P_{2087} = (6, 1, 7, 1) = (\alpha^{13}, 1, \alpha^{7}, 1)
P_{2042} = (9, 14, 6, 1) = (\alpha^4, \alpha^8, \alpha^{13}, 1)
P_{2043} = (10, 14, 6, 1) = (\alpha^{10}, \alpha^8, \alpha^{13}, 1)
                                                                                 P_{2088} = (7, 1, 7, 1) = (\alpha^7, 1, \alpha^7, 1)
P_{2044} = (11, 14, 6, 1) = (\alpha^5, \alpha^8, \alpha^{13}, 1)
                                                                                 P_{2089} = (8, 1, 7, 1) = (\alpha^3, 1, \alpha^7, 1)
P_{2045} = (12, 14, 6, 1) = (\alpha^{14}, \alpha^{8}, \alpha^{13}, 1)
                                                                                 P_{2090} = (9, 1, 7, 1) = (\alpha^4, 1, \alpha^7, 1)
P_{2046} = (13, 14, 6, 1) = (\alpha^{11}, \alpha^8, \alpha^{13}, 1)
                                                                                 P_{2091} = (10, 1, 7, 1) = (\alpha^{10}, 1, \alpha^7, 1)
P_{2047} = (14, 14, 6, 1) = (\alpha^8, \alpha^8, \alpha^{13}, 1)
                                                                                 P_{2092} = (11, 1, 7, 1) = (\alpha^5, 1, \alpha^7, 1)
                                                                                 P_{2093} = (12, 1, 7, 1) = (\alpha^{14}, 1, \alpha^{7}, 1)
P_{2048} = (15, 14, 6, 1) = (\alpha^6, \alpha^8, \alpha^{13}, 1)
P_{2049} = (0, 15, 6, 1) = (0, \alpha^6, \alpha^{13}, 1)
                                                                                 P_{2094} = (13, 1, 7, 1) = (\alpha^{11}, 1, \alpha^{7}, 1)
P_{2050} = (1, 15, 6, 1) = (1, \alpha^6, \alpha^{13}, 1)
                                                                                 P_{2095} = (14, 1, 7, 1) = (\alpha^8, 1, \alpha^7, 1)
P_{2051} = (2, 15, 6, 1) = (\alpha, \alpha^6, \alpha^{13}, 1)
                                                                                 P_{2096} = (15, 1, 7, 1) = (\alpha^6, 1, \alpha^7, 1)
P_{2052} = (3, 15, 6, 1) = (\alpha^{12}, \alpha^6, \alpha^{13}, 1)
                                                                                 P_{2097} = (0, 2, 7, 1) = (0, \alpha, \alpha^7, 1)
P_{2053} = (4, 15, 6, 1) = (\alpha^2, \alpha^6, \alpha^{13}, 1)
                                                                                 P_{2098} = (1, 2, 7, 1) = (1, \alpha, \alpha^7, 1)
P_{2054} = (5, 15, 6, 1) = (\alpha^9, \alpha^6, \alpha^{13}, 1)
                                                                                 P_{2099} = (2, 2, 7, 1) = (\alpha, \alpha, \alpha', 1)
P_{2055} = (6, 15, 6, 1) = (\alpha^{13}, \alpha^6, \alpha^{13}, 1)
                                                                                 P_{2100} = (3, 2, 7, 1) = (\alpha^{12}, \alpha, \alpha^7, 1)
P_{2056} = (7, 15, 6, 1) = (\alpha^7, \alpha^6, \alpha^{13}, 1)
                                                                                 P_{2101} = (4, 2, 7, 1) = (\alpha^2, \alpha, \alpha^7, 1)
P_{2057} = (8, 15, 6, 1) = (\alpha^3, \alpha^6, \alpha^{13}, 1)
                                                                                 P_{2102} = (5, 2, 7, 1) = (\alpha^9, \alpha, \alpha^7, 1)
P_{2058} = (9, 15, 6, 1) = (\alpha^4, \alpha^6, \alpha^{13}, 1)
                                                                                 P_{2103} = (6, 2, 7, 1) = (\alpha^{13}, \alpha, \alpha^7, 1)
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P_{2104} = (7, 2, 7, 1) = (\alpha^7, \alpha, \alpha^7, 1)
                                                                                   P_{2149} = (4, 5, 7, 1) = (\alpha^2, \alpha^9, \alpha^7, 1)
P_{2105} = (8, 2, 7, 1) = (\alpha^3, \alpha, \alpha^7, 1)
                                                                                   P_{2150} = (5, 5, 7, 1) = (\alpha^9, \alpha^9, \alpha^7, 1)
                                                                                   P_{2151} = (6, 5, 7, 1) = (\alpha^{13}, \alpha^9, \alpha^7, 1)
P_{2106} = (9, 2, 7, 1) = (\alpha^4, \alpha, \alpha^7, 1)
P_{2107} = (10, 2, 7, 1) = (\alpha^{10}, \alpha, \alpha^7, 1)
                                                                                   P_{2152} = (7, 5, 7, 1) = (\alpha^7, \alpha^9, \alpha^7, 1)
P_{2108} = (11, 2, 7, 1) = (\alpha^5, \alpha, \alpha^7, 1)
                                                                                   P_{2153} = (8, 5, 7, 1) = (\alpha^3, \alpha^9, \alpha^7, 1)
                                                                                   P_{2154} = (9, 5, 7, 1) = (\alpha^4, \alpha^9, \alpha^7, 1)
P_{2109} = (12, 2, 7, 1) = (\alpha^{14}, \alpha, \alpha^7, 1)
                                                                                   P_{2155} = (10, 5, 7, 1) = (\alpha^{10}, \alpha^9, \alpha^7, 1)
P_{2110} = (13, 2, 7, 1) = (\alpha^{11}, \alpha, \alpha^7, 1)
P_{2111} = (14, 2, 7, 1) = (\alpha^8, \alpha, \alpha^7, 1)
                                                                                   P_{2156} = (11, 5, 7, 1) = (\alpha^5, \alpha^9, \alpha^7, 1)
                                                                                   P_{2157} = (12, 5, 7, 1) = (\alpha^{14}, \alpha^9, \alpha^7, 1)
P_{2112} = (15, 2, 7, 1) = (\alpha^6, \alpha, \alpha^7, 1)
                                                                                   P_{2158} = (13, 5, 7, 1) = (\alpha^{11}, \alpha^9, \alpha^7, 1)
P_{2113} = (0, 3, 7, 1) = (0, \alpha^{12}, \alpha^{7}, 1)
P_{2114} = (1, 3, 7, 1) = (1, \alpha^{12}, \alpha^7, 1)
                                                                                   P_{2159} = (14, 5, 7, 1) = (\alpha^8, \alpha^9, \alpha^7, 1)
P_{2115} = (2, 3, 7, 1) = (\alpha, \alpha^{12}, \alpha^{7}, 1)
                                                                                   P_{2160} = (15, 5, 7, 1) = (\alpha^6, \alpha^9, \alpha^7, 1)
                                                                                   P_{2161} = (0, 6, 7, 1) = (0, \alpha^{13}, \alpha^{7}, 1)
P_{2116} = (3, 3, 7, 1) = (\alpha^{12}, \alpha^{12}, \alpha^{7}, 1)
                                                                                   P_{2162} = (1, 6, 7, 1) = (1, \alpha^{13}, \alpha^7, 1)
P_{2117} = (4, 3, 7, 1) = (\alpha^2, \alpha^{12}, \alpha^7, 1)
P_{2118} = (5, 3, 7, 1) = (\alpha^9, \alpha^{12}, \alpha^7, 1)
                                                                                   P_{2163} = (2, 6, 7, 1) = (\alpha, \alpha^{13}, \alpha^{7}, 1)
P_{2119} = (6, 3, 7, 1) = (\alpha^{13}, \alpha^{12}, \alpha^{7}, 1)
                                                                                   P_{2164} = (3, 6, 7, 1) = (\alpha^{12}, \alpha^{13}, \alpha^{7}, 1)
P_{2120} = (7, 3, 7, 1) = (\alpha^7, \alpha^{12}, \alpha^7, 1)
                                                                                   P_{2165} = (4, 6, 7, 1) = (\alpha^2, \alpha^{13}, \alpha^7, 1)
P_{2121} = (8, 3, 7, 1) = (\alpha^3, \alpha^{12}, \alpha^7, 1)
                                                                                   P_{2166} = (5, 6, 7, 1) = (\alpha^9, \alpha^{13}, \alpha^7, 1)
P_{2122} = (9, 3, 7, 1) = (\alpha^4, \alpha^{12}, \alpha^7, 1)
                                                                                   P_{2167} = (6, 6, 7, 1) = (\alpha^{13}, \alpha^{13}, \alpha^{7}, 1)
P_{2123} = (10, 3, 7, 1) = (\alpha^{10}, \alpha^{12}, \alpha^{7}, 1)
                                                                                   P_{2168} = (7, 6, 7, 1) = (\alpha^7, \alpha^{13}, \alpha^7, 1)
P_{2124} = (11, 3, 7, 1) = (\alpha^5, \alpha^{12}, \alpha^7, 1)
                                                                                   P_{2169} = (8, 6, 7, 1) = (\alpha^3, \alpha^{13}, \alpha^7, 1)
                                                                                   P_{2170} = (9, 6, 7, 1) = (\alpha^4, \alpha^{13}, \alpha^7, 1)
P_{2125} = (12, 3, 7, 1) = (\alpha^{14}, \alpha^{12}, \alpha^{7}, 1)
                                                                                   P_{2171} = (10, 6, 7, 1) = (\alpha^{10}, \alpha^{13}, \alpha^{7}, 1)
P_{2126} = (13, 3, 7, 1) = (\alpha^{11}, \alpha^{12}, \alpha^{7}, 1)
                                                                                   P_{2172} = (11, 6, 7, 1) = (\alpha^5, \alpha^{13}, \alpha^7, 1)
P_{2127} = (14, 3, 7, 1) = (\alpha^8, \alpha^{12}, \alpha^7, 1)
                                                                                   P_{2173} = (12, 6, 7, 1) = (\alpha^{14}, \alpha^{13}, \alpha^{7}, 1)
P_{2128} = (15, 3, 7, 1) = (\alpha^6, \alpha^{12}, \alpha^7, 1)
                                                                                   P_{2174} = (13, 6, 7, 1) = (\alpha^{11}, \alpha^{13}, \alpha^{7}, 1)
P_{2129} = (0, 4, 7, 1) = (0, \alpha^2, \alpha^7, 1)
P_{2130} = (1, 4, 7, 1) = (1, \alpha^2, \alpha^7, 1)
                                                                                   P_{2175} = (14, 6, 7, 1) = (\alpha^8, \alpha^{13}, \alpha^7, 1)
                                                                                   P_{2176} = (15, 6, 7, 1) = (\alpha^6, \alpha^{13}, \alpha^7, 1)
P_{2131} = (2, 4, 7, 1) = (\alpha, \alpha^2, \alpha^7, 1)
P_{2132} = (3, 4, 7, 1) = (\alpha^{12}, \alpha^2, \alpha^7, 1)
                                                                                   P_{2177} = (0, 7, 7, 1) = (0, \alpha^7, \alpha^7, 1)
P_{2133} = (4, 4, 7, 1) = (\alpha^2, \alpha^2, \alpha^7, 1)
                                                                                   P_{2178} = (1, 7, 7, 1) = (1, \alpha^7, \alpha^7, 1)
                                                                                   P_{2179} = (2, 7, 7, 1) = (\alpha, \alpha^7, \alpha^7, 1)
P_{2134} = (5, 4, 7, 1) = (\alpha^9, \alpha^2, \alpha^7, 1)
P_{2135} = (6, 4, 7, 1) = (\alpha^{13}, \alpha^2, \alpha^7, 1)
                                                                                   P_{2180} = (3, 7, 7, 1) = (\alpha^{12}, \alpha^7, \alpha^7, 1)
                                                                                   P_{2181} = (4, 7, 7, 1) = (\alpha^2, \alpha^7, \alpha^7, 1)
P_{2136} = (7, 4, 7, 1) = (\alpha^7, \alpha^2, \alpha^7, 1)
                                                                                   P_{2182} = (5, 7, 7, 1) = (\alpha^9, \alpha^7, \alpha^7, 1)
P_{2137} = (8, 4, 7, 1) = (\alpha^3, \alpha^2, \alpha^7, 1)
P_{2138} = (9, 4, 7, 1) = (\alpha^4, \alpha^2, \alpha^7, 1)
                                                                                   P_{2183} = (6,7,7,1) = (\alpha^{13}, \alpha^7, \alpha^7, 1)
P_{2139} = (10, 4, 7, 1) = (\alpha^{10}, \alpha^2, \alpha^7, 1)
                                                                                   P_{2184} = (7, 7, 7, 1) = (\alpha^7, \alpha^7, \alpha^7, 1)
P_{2140} = (11, 4, 7, 1) = (\alpha^5, \alpha^2, \alpha^7, 1)
                                                                                   P_{2185} = (8, 7, 7, 1) = (\alpha^3, \alpha^7, \alpha^7, 1)
P_{2141} = (12, 4, 7, 1) = (\alpha^{14}, \alpha^2, \alpha^7, 1)
                                                                                   P_{2186} = (9, 7, 7, 1) = (\alpha^4, \alpha^7, \alpha^7, 1)
                                                                                   P_{2187} = (10, 7, 7, 1) = (\alpha^{10}, \alpha^7, \alpha^7, 1)
P_{2142} = (13, 4, 7, 1) = (\alpha^{11}, \alpha^2, \alpha^7, 1)
P_{2143} = (14, 4, 7, 1) = (\alpha^8, \alpha^2, \alpha^7, 1)
                                                                                   P_{2188} = (11, 7, 7, 1) = (\alpha^5, \alpha^7, \alpha^7, 1)
P_{2144} = (15, 4, 7, 1) = (\alpha^6, \alpha^2, \alpha^7, 1)
                                                                                   P_{2189} = (12, 7, 7, 1) = (\alpha^{14}, \alpha^7, \alpha^7, 1)
P_{2145} = (0, 5, 7, 1) = (0, \alpha^9, \alpha^7, 1)
                                                                                   P_{2190} = (13, 7, 7, 1) = (\alpha^{11}, \alpha^7, \alpha^7, 1)
P_{2146} = (1, 5, 7, 1) = (1, \alpha^9, \alpha^7, 1)
                                                                                   P_{2191} = (14, 7, 7, 1) = (\alpha^8, \alpha^7, \alpha^7, 1)
P_{2147} = (2, 5, 7, 1) = (\alpha, \alpha^9, \alpha^7, 1)
                                                                                   P_{2192} = (15, 7, 7, 1) = (\alpha^6, \alpha^7, \alpha^7, 1)
P_{2148} = (3, 5, 7, 1) = (\alpha^{12}, \alpha^9, \alpha^7, 1)
                                                                                   P_{2193} = (0, 8, 7, 1) = (0, \alpha^3, \alpha^7, 1)
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P_{2194} = (1, 8, 7, 1) = (1, \alpha^3, \alpha^7, 1)
                                                                                   P_{2239} = (14, 10, 7, 1) = (\alpha^8, \alpha^{10}, \alpha^7, 1)
P_{2195} = (2, 8, 7, 1) = (\alpha, \alpha^3, \alpha^7, 1)
                                                                                   P_{2240} = (15, 10, 7, 1) = (\alpha^6, \alpha^{10}, \alpha^7, 1)
P_{2196} = (3, 8, 7, 1) = (\alpha^{12}, \alpha^3, \alpha^7, 1)
                                                                                   P_{2241} = (0, 11, 7, 1) = (0, \alpha^5, \alpha^7, 1)
                                                                                   P_{2242} = (1, 11, 7, 1) = (1, \alpha^5, \alpha^7, 1)
P_{2197} = (4, 8, 7, 1) = (\alpha^2, \alpha^3, \alpha^7, 1)
P_{2198} = (5, 8, 7, 1) = (\alpha^9, \alpha^3, \alpha^7, 1)
                                                                                   P_{2243} = (2, 11, 7, 1) = (\alpha, \alpha^5, \alpha^7, 1)
P_{2199} = (6, 8, 7, 1) = (\alpha^{13}, \alpha^3, \alpha^7, 1)
                                                                                   P_{2244} = (3, 11, 7, 1) = (\alpha^{12}, \alpha^5, \alpha^7, 1)
P_{2200} = (7, 8, 7, 1) = (\alpha^7, \alpha^3, \alpha^7, 1)
                                                                                   P_{2245} = (4, 11, 7, 1) = (\alpha^2, \alpha^5, \alpha^7, 1)
P_{2201} = (8, 8, 7, 1) = (\alpha^3, \alpha^3, \alpha^7, 1)
                                                                                   P_{2246} = (5, 11, 7, 1) = (\alpha^9, \alpha^5, \alpha^7, 1)
                                                                                   P_{2247} = (6, 11, 7, 1) = (\alpha^{13}, \alpha^5, \alpha^7, 1)
P_{2202} = (9, 8, 7, 1) = (\alpha^4, \alpha^3, \alpha^7, 1)
P_{2203} = (10, 8, 7, 1) = (\alpha^{10}, \alpha^3, \alpha^7, 1)
                                                                                   P_{2248} = (7, 11, 7, 1) = (\alpha^7, \alpha^5, \alpha^7, 1)
P_{2204} = (11, 8, 7, 1) = (\alpha^5, \alpha^3, \alpha^7, 1)
                                                                                   P_{2249} = (8, 11, 7, 1) = (\alpha^3, \alpha^5, \alpha^7, 1)
P_{2205} = (12, 8, 7, 1) = (\alpha^{14}, \alpha^3, \alpha^7, 1)
                                                                                   P_{2250} = (9, 11, 7, 1) = (\alpha^4, \alpha^5, \alpha^7, 1)
P_{2206} = (13, 8, 7, 1) = (\alpha^{11}, \alpha^3, \alpha^7, 1)
                                                                                   P_{2251} = (10, 11, 7, 1) = (\alpha^{10}, \alpha^5, \alpha^7, 1)
                                                                                   P_{2252} = (11, 11, 7, 1) = (\alpha^5, \alpha^5, \alpha^7, 1)
P_{2207} = (14, 8, 7, 1) = (\alpha^8, \alpha^3, \alpha^7, 1)
P_{2208} = (15, 8, 7, 1) = (\alpha^6, \alpha^3, \alpha^7, 1)
                                                                                   P_{2253} = (12, 11, 7, 1) = (\alpha^{14}, \alpha^5, \alpha^7, 1)
P_{2209} = (0, 9, 7, 1) = (0, \alpha^4, \alpha^7, 1)
                                                                                   P_{2254} = (13, 11, 7, 1) = (\alpha^{11}, \alpha^5, \alpha^7, 1)
P_{2210} = (1, 9, 7, 1) = (1, \alpha^4, \alpha^7, 1)
                                                                                   P_{2255} = (14, 11, 7, 1) = (\alpha^8, \alpha^5, \alpha^7, 1)
P_{2211} = (2, 9, 7, 1) = (\alpha, \alpha^4, \alpha^7, 1)
                                                                                   P_{2256} = (15, 11, 7, 1) = (\alpha^6, \alpha^5, \alpha^7, 1)
P_{2212} = (3, 9, 7, 1) = (\alpha^{12}, \alpha^4, \alpha^7, 1)
                                                                                  P_{2257} = (0, 12, 7, 1) = (0, \alpha^{14}, \alpha^{7}, 1)
P_{2213} = (4, 9, 7, 1) = (\alpha^2, \alpha^4, \alpha^7, 1)
                                                                                   P_{2258} = (1, 12, 7, 1) = (1, \alpha^{14}, \alpha^{7}, 1)
P_{2214} = (5, 9, 7, 1) = (\alpha^9, \alpha^4, \alpha^7, 1)
                                                                                   P_{2259} = (2, 12, 7, 1) = (\alpha, \alpha^{14}, \alpha^{7}, 1)
P_{2215} = (6, 9, 7, 1) = (\alpha^{13}, \alpha^4, \alpha^7, 1)
                                                                                   P_{2260} = (3, 12, 7, 1) = (\alpha^{12}, \alpha^{14}, \alpha^{7}, 1)
P_{2216} = (7, 9, 7, 1) = (\alpha^7, \alpha^4, \alpha^7, 1)
                                                                                   P_{2261} = (4, 12, 7, 1) = (\alpha^2, \alpha^{14}, \alpha^7, 1)
P_{2217} = (8, 9, 7, 1) = (\alpha^3, \alpha^4, \alpha^7, 1)
                                                                                   P_{2262} = (5, 12, 7, 1) = (\alpha^9, \alpha^{14}, \alpha^7, 1)
P_{2218} = (9, 9, 7, 1) = (\alpha^4, \alpha^4, \alpha^7, 1)
                                                                                   P_{2263} = (6, 12, 7, 1) = (\alpha^{13}, \alpha^{14}, \alpha^{7}, 1)
P_{2219} = (10, 9, 7, 1) = (\alpha^{10}, \alpha^4, \alpha^7, 1)
                                                                                   P_{2264} = (7, 12, 7, 1) = (\alpha^7, \alpha^{14}, \alpha^7, 1)
                                                                                  P_{2265} = (8, 12, 7, 1) = (\alpha^3, \alpha^{14}, \alpha^7, 1)
P_{2220} = (11, 9, 7, 1) = (\alpha^5, \alpha^4, \alpha^7, 1)
P_{2221} = (12, 9, 7, 1) = (\alpha^{14}, \alpha^4, \alpha^7, 1)
                                                                                   P_{2266} = (9, 12, 7, 1) = (\alpha^4, \alpha^{14}, \alpha^7, 1)
P_{2222} = (13, 9, 7, 1) = (\alpha^{11}, \alpha^4, \alpha^7, 1)
                                                                                  P_{2267} = (10, 12, 7, 1) = (\alpha^{10}, \alpha^{14}, \alpha^{7}, 1)
                                                                                   P_{2268} = (11, 12, 7, 1) = (\alpha^5, \alpha^{14}, \alpha^7, 1)
P_{2223} = (14, 9, 7, 1) = (\alpha^8, \alpha^4, \alpha^7, 1)
                                                                                   P_{2269} = (12, 12, 7, 1) = (\alpha^{14}, \alpha^{14}, \alpha^{7}, 1)
P_{2224} = (15, 9, 7, 1) = (\alpha^6, \alpha^4, \alpha^7, 1)
P_{2225} = (0, 10, 7, 1) = (0, \alpha^{10}, \alpha^{7}, 1)
                                                                                   P_{2270} = (13, 12, 7, 1) = (\alpha^{11}, \alpha^{14}, \alpha^{7}, 1)
P_{2226} = (1, 10, 7, 1) = (1, \alpha^{10}, \alpha^7, 1)
                                                                                   P_{2271} = (14, 12, 7, 1) = (\alpha^8, \alpha^{14}, \alpha^7, 1)
P_{2227} = (2, 10, 7, 1) = (\alpha, \alpha^{10}, \alpha^{7}, 1)
                                                                                   P_{2272} = (15, 12, 7, 1) = (\alpha^6, \alpha^{14}, \alpha^7, 1)
P_{2228} = (3, 10, 7, 1) = (\alpha^{12}, \alpha^{10}, \alpha^{7}, 1)
                                                                                   P_{2273} = (0, 13, 7, 1) = (0, \alpha^{11}, \alpha^{7}, 1)
P_{2229} = (4, 10, 7, 1) = (\alpha^2, \alpha^{10}, \alpha^7, 1)
                                                                                   P_{2274} = (1, 13, 7, 1) = (1, \alpha^{11}, \alpha^{7}, 1)
P_{2230} = (5, 10, 7, 1) = (\alpha^9, \alpha^{10}, \alpha^7, 1)
                                                                                   P_{2275} = (2, 13, 7, 1) = (\alpha, \alpha^{11}, \alpha^{7}, 1)
P_{2231} = (6, 10, 7, 1) = (\alpha^{13}, \alpha^{10}, \alpha^{7}, 1)
                                                                                   P_{2276} = (3, 13, 7, 1) = (\alpha^{12}, \alpha^{11}, \alpha^{7}, 1)
P_{2232} = (7, 10, 7, 1) = (\alpha^7, \alpha^{10}, \alpha^7, 1)
                                                                                   P_{2277} = (4, 13, 7, 1) = (\alpha^2, \alpha^{11}, \alpha^7, 1)
P_{2233} = (8, 10, 7, 1) = (\alpha^3, \alpha^{10}, \alpha^7, 1)
                                                                                   P_{2278} = (5, 13, 7, 1) = (\alpha^9, \alpha^{11}, \alpha^7, 1)
                                                                                   P_{2279} = (6, 13, 7, 1) = (\alpha^{13}, \alpha^{11}, \alpha^{7}, 1)
P_{2234} = (9, 10, 7, 1) = (\alpha^4, \alpha^{10}, \alpha^7, 1)
P_{2235} = (10, 10, 7, 1) = (\alpha^{10}, \alpha^{10}, \alpha^7, 1)
                                                                                   P_{2280} = (7, 13, 7, 1) = (\alpha^7, \alpha^{11}, \alpha^7, 1)
P_{2236} = (11, 10, 7, 1) = (\alpha^5, \alpha^{10}, \alpha^7, 1)
                                                                                   P_{2281} = (8, 13, 7, 1) = (\alpha^3, \alpha^{11}, \alpha^7, 1)
P_{2237} = (12, 10, 7, 1) = (\alpha^{14}, \alpha^{10}, \alpha^{7}, 1)
                                                                                   P_{2282} = (9, 13, 7, 1) = (\alpha^4, \alpha^{11}, \alpha^7, 1)
P_{2238} = (13, 10, 7, 1) = (\alpha^{11}, \alpha^{10}, \alpha^7, 1)
                                                                                   P_{2283} = (10, 13, 7, 1) = (\alpha^{10}, \alpha^{11}, \alpha^{7}, 1)
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P_{2284} = (11, 13, 7, 1) = (\alpha^5, \alpha^{11}, \alpha^7, 1)
                                                                                P_{2329} = (8, 0, 8, 1) = (\alpha^3, 0, \alpha^3, 1)
P_{2285} = (12, 13, 7, 1) = (\alpha^{14}, \alpha^{11}, \alpha^{7}, 1)
                                                                                P_{2330} = (9, 0, 8, 1) = (\alpha^4, 0, \alpha^3, 1)
P_{2286} = (13, 13, 7, 1) = (\alpha^{11}, \alpha^{11}, \alpha^{7}, 1)
                                                                                P_{2331} = (10, 0, 8, 1) = (\alpha^{10}, 0, \alpha^{3}, 1)
P_{2287} = (14, 13, 7, 1) = (\alpha^8, \alpha^{11}, \alpha^7, 1)
                                                                                P_{2332} = (11, 0, 8, 1) = (\alpha^5, 0, \alpha^3, 1)
                                                                                P_{2333} = (12, 0, 8, 1) = (\alpha^{14}, 0, \alpha^{3}, 1)
P_{2288} = (15, 13, 7, 1) = (\alpha^6, \alpha^{11}, \alpha^7, 1)
                                                                                P_{2334} = (13, 0, 8, 1) = (\alpha^{11}, 0, \alpha^{3}, 1)
P_{2289} = (0, 14, 7, 1) = (0, \alpha^8, \alpha^7, 1)
P_{2290} = (1, 14, 7, 1) = (1, \alpha^8, \alpha^7, 1)
                                                                                P_{2335} = (14, 0, 8, 1) = (\alpha^8, 0, \alpha^3, 1)
P_{2291} = (2, 14, 7, 1) = (\alpha, \alpha^8, \alpha^7, 1)
                                                                                P_{2336} = (15, 0, 8, 1) = (\alpha^6, 0, \alpha^3, 1)
P_{2292} = (3, 14, 7, 1) = (\alpha^{12}, \alpha^{8}, \alpha^{7}, 1)
                                                                                P_{2337} = (0, 1, 8, 1) = (0, 1, \alpha^3, 1)
P_{2293} = (4, 14, 7, 1) = (\alpha^2, \alpha^8, \alpha^7, 1)
                                                                                P_{2338} = (1, 1, 8, 1) = (1, 1, \alpha^3, 1)
P_{2294} = (5, 14, 7, 1) = (\alpha^9, \alpha^8, \alpha^7, 1)
                                                                                P_{2339} = (2, 1, 8, 1) = (\alpha, 1, \alpha^3, 1)
P_{2295} = (6, 14, 7, 1) = (\alpha^{13}, \alpha^{8}, \alpha^{7}, 1)
                                                                                P_{2340} = (3, 1, 8, 1) = (\alpha^{12}, 1, \alpha^{3}, 1)
                                                                                P_{2341} = (4, 1, 8, 1) = (\alpha^2, 1, \alpha^3, 1)
P_{2296} = (7, 14, 7, 1) = (\alpha^7, \alpha^8, \alpha^7, 1)
P_{2297} = (8, 14, 7, 1) = (\alpha^3, \alpha^8, \alpha^7, 1)
                                                                                P_{2342} = (5, 1, 8, 1) = (\alpha^9, 1, \alpha^3, 1)
P_{2298} = (9, 14, 7, 1) = (\alpha^4, \alpha^8, \alpha^7, 1)
                                                                                P_{2343} = (6, 1, 8, 1) = (\alpha^{13}, 1, \alpha^{3}, 1)
P_{2299} = (10, 14, 7, 1) = (\alpha^{10}, \alpha^{8}, \alpha^{7}, 1)
                                                                                P_{2344} = (7, 1, 8, 1) = (\alpha^7, 1, \alpha^3, 1)
P_{2300} = (11, 14, 7, 1) = (\alpha^5, \alpha^8, \alpha^7, 1)
                                                                                P_{2345} = (8, 1, 8, 1) = (\alpha^3, 1, \alpha^3, 1)
P_{2301} = (12, 14, 7, 1) = (\alpha^{14}, \alpha^{8}, \alpha^{7}, 1)
                                                                                P_{2346} = (9, 1, 8, 1) = (\alpha^4, 1, \alpha^3, 1)
P_{2302} = (13, 14, 7, 1) = (\alpha^{11}, \alpha^8, \alpha^7, 1)
                                                                               P_{2347} = (10, 1, 8, 1) = (\alpha^{10}, 1, \alpha^{3}, 1)
                                                                                P_{2348} = (11, 1, 8, 1) = (\alpha^5, 1, \alpha^3, 1)
P_{2303} = (14, 14, 7, 1) = (\alpha^8, \alpha^8, \alpha^7, 1)
P_{2304} = (15, 14, 7, 1) = (\alpha^6, \alpha^8, \alpha^7, 1)
                                                                               P_{2349} = (12, 1, 8, 1) = (\alpha^{14}, 1, \alpha^{3}, 1)
P_{2305} = (0, 15, 7, 1) = (0, \alpha^6, \alpha^7, 1)
                                                                                P_{2350} = (13, 1, 8, 1) = (\alpha^{11}, 1, \alpha^3, 1)
P_{2306} = (1, 15, 7, 1) = (1, \alpha^6, \alpha^7, 1)
                                                                                P_{2351} = (14, 1, 8, 1) = (\alpha^8, 1, \alpha^3, 1)
P_{2307} = (2, 15, 7, 1) = (\alpha, \alpha^6, \alpha^7, 1)
                                                                                P_{2352} = (15, 1, 8, 1) = (\alpha^6, 1, \alpha^3, 1)
P_{2308} = (3, 15, 7, 1) = (\alpha^{12}, \alpha^6, \alpha^7, 1)
                                                                                P_{2353} = (0, 2, 8, 1) = (0, \alpha, \alpha^3, 1)
P_{2309} = (4, 15, 7, 1) = (\alpha^2, \alpha^6, \alpha^7, 1)
                                                                                P_{2354} = (1, 2, 8, 1) = (1, \alpha, \alpha^3, 1)
P_{2310} = (5, 15, 7, 1) = (\alpha^9, \alpha^6, \alpha^7, 1)
                                                                                P_{2355} = (2, 2, 8, 1) = (\alpha, \alpha, \alpha^3, 1)
                                                                               P_{2356} = (3, 2, 8, 1) = (\alpha^{12}, \alpha, \alpha^3, 1)
P_{2311} = (6, 15, 7, 1) = (\alpha^{13}, \alpha^6, \alpha^7, 1)
P_{2312} = (7, 15, 7, 1) = (\alpha^7, \alpha^6, \alpha^7, 1)
                                                                                P_{2357} = (4, 2, 8, 1) = (\alpha^2, \alpha, \alpha^3, 1)
                                                                               P_{2358} = (5, 2, 8, 1) = (\alpha^9, \alpha, \alpha^3, 1)
P_{2313} = (8, 15, 7, 1) = (\alpha^3, \alpha^6, \alpha^7, 1)
P_{2314} = (9, 15, 7, 1) = (\alpha^4, \alpha^6, \alpha^7, 1)
                                                                                P_{2359} = (6, 2, 8, 1) = (\alpha^{13}, \alpha, \alpha^{3}, 1)
P_{2315} = (10, 15, 7, 1) = (\alpha^{10}, \alpha^6, \alpha^7, 1)
                                                                                P_{2360} = (7, 2, 8, 1) = (\alpha^7, \alpha, \alpha^3, 1)
P_{2316} = (11, 15, 7, 1) = (\alpha^5, \alpha^6, \alpha^7, 1)
                                                                                P_{2361} = (8, 2, 8, 1) = (\alpha^3, \alpha, \alpha^3, 1)
P_{2317} = (12, 15, 7, 1) = (\alpha^{14}, \alpha^{6}, \alpha^{7}, 1)
                                                                                P_{2362} = (9, 2, 8, 1) = (\alpha^4, \alpha, \alpha^3, 1)
                                                                                P_{2363} = (10, 2, 8, 1) = (\alpha^{10}, \alpha, \alpha^3, 1)
P_{2318} = (13, 15, 7, 1) = (\alpha^{11}, \alpha^6, \alpha^7, 1)
P_{2319} = (14, 15, 7, 1) = (\alpha^8, \alpha^6, \alpha^7, 1)
                                                                                P_{2364} = (11, 2, 8, 1) = (\alpha^5, \alpha, \alpha^3, 1)
P_{2320} = (15, 15, 7, 1) = (\alpha^6, \alpha^6, \alpha^7, 1)
                                                                                P_{2365} = (12, 2, 8, 1) = (\alpha^{14}, \alpha, \alpha^3, 1)
P_{2321} = (0, 0, 8, 1) = (0, 0, \alpha^3, 1)
                                                                                P_{2366} = (13, 2, 8, 1) = (\alpha^{11}, \alpha, \alpha^3, 1)
                                                                                P_{2367} = (14, 2, 8, 1) = (\alpha^8, \alpha, \alpha^3, 1)
P_{2322} = (1, 0, 8, 1) = (1, 0, \alpha^3, 1)
                                                                                P_{2368} = (15, 2, 8, 1) = (\alpha^6, \alpha, \alpha^3, 1)
P_{2323} = (2, 0, 8, 1) = (\alpha, 0, \alpha^3, 1)
P_{2324} = (3, 0, 8, 1) = (\alpha^{12}, 0, \alpha^{3}, 1)
                                                                                P_{2369} = (0, 3, 8, 1) = (0, \alpha^{12}, \alpha^3, 1)
                                                                                P_{2370} = (1, 3, 8, 1) = (1, \alpha^{12}, \alpha^3, 1)
P_{2325} = (4, 0, 8, 1) = (\alpha^2, 0, \alpha^3, 1)
P_{2326} = (5, 0, 8, 1) = (\alpha^9, 0, \alpha^3, 1)
                                                                                P_{2371} = (2, 3, 8, 1) = (\alpha, \alpha^{12}, \alpha^{3}, 1)
                                                                               P_{2372} = (3, 3, 8, 1) = (\alpha^{12}, \alpha^{12}, \alpha^{3}, 1)
P_{2327} = (6, 0, 8, 1) = (\alpha^{13}, 0, \alpha^{3}, 1)
                                                                                P_{2373} = (4, 3, 8, 1) = (\alpha^2, \alpha^{12}, \alpha^3, 1)
P_{2328} = (7, 0, 8, 1) = (\alpha^7, 0, \alpha^3, 1)
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P_{2374} = (5, 3, 8, 1) = (\alpha^9, \alpha^{12}, \alpha^3, 1)
                                                                                   P_{2419} = (2, 6, 8, 1) = (\alpha, \alpha^{13}, \alpha^{3}, 1)
P_{2375} = (6, 3, 8, 1) = (\alpha^{13}, \alpha^{12}, \alpha^{3}, 1)
                                                                                   P_{2420} = (3, 6, 8, 1) = (\alpha^{12}, \alpha^{13}, \alpha^{3}, 1)
P_{2376} = (7, 3, 8, 1) = (\alpha^7, \alpha^{12}, \alpha^3, 1)
                                                                                   P_{2421} = (4, 6, 8, 1) = (\alpha^2, \alpha^{13}, \alpha^3, 1)
P_{2377} = (8, 3, 8, 1) = (\alpha^3, \alpha^{12}, \alpha^3, 1)
                                                                                   P_{2422} = (5, 6, 8, 1) = (\alpha^9, \alpha^{13}, \alpha^3, 1)
P_{2378} = (9, 3, 8, 1) = (\alpha^4, \alpha^{12}, \alpha^3, 1)
                                                                                   P_{2423} = (6, 6, 8, 1) = (\alpha^{13}, \alpha^{13}, \alpha^{3}, 1)
                                                                                   P_{2424} = (7, 6, 8, 1) = (\alpha^7, \alpha^{13}, \alpha^3, 1)
P_{2379} = (10, 3, 8, 1) = (\alpha^{10}, \alpha^{12}, \alpha^{3}, 1)
P_{2380} = (11, 3, 8, 1) = (\alpha^5, \alpha^{12}, \alpha^3, 1)
                                                                                   P_{2425} = (8, 6, 8, 1) = (\alpha^3, \alpha^{13}, \alpha^3, 1)
                                                                                   P_{2426} = (9, 6, 8, 1) = (\alpha^4, \alpha^{13}, \alpha^3, 1)
P_{2381} = (12, 3, 8, 1) = (\alpha^{14}, \alpha^{12}, \alpha^{3}, 1)
P_{2382} = (13, 3, 8, 1) = (\alpha^{11}, \alpha^{12}, \alpha^3, 1)
                                                                                   P_{2427} = (10, 6, 8, 1) = (\alpha^{10}, \alpha^{13}, \alpha^{3}, 1)
                                                                                   P_{2428} = (11, 6, 8, 1) = (\alpha^5, \alpha^{13}, \alpha^3, 1)
P_{2383} = (14, 3, 8, 1) = (\alpha^8, \alpha^{12}, \alpha^3, 1)
P_{2384} = (15, 3, 8, 1) = (\alpha^6, \alpha^{12}, \alpha^3, 1)
                                                                                   P_{2429} = (12, 6, 8, 1) = (\alpha^{14}, \alpha^{13}, \alpha^{3}, 1)
P_{2385} = (0, 4, 8, 1) = (0, \alpha^2, \alpha^3, 1)
                                                                                   P_{2430} = (13, 6, 8, 1) = (\alpha^{11}, \alpha^{13}, \alpha^{3}, 1)
                                                                                   P_{2431} = (14, 6, 8, 1) = (\alpha^8, \alpha^{13}, \alpha^3, 1)
P_{2386} = (1, 4, 8, 1) = (1, \alpha^2, \alpha^3, 1)
P_{2387} = (2, 4, 8, 1) = (\alpha, \alpha^2, \alpha^3, 1)
                                                                                   P_{2432} = (15, 6, 8, 1) = (\alpha^6, \alpha^{13}, \alpha^3, 1)
P_{2388} = (3, 4, 8, 1) = (\alpha^{12}, \alpha^2, \alpha^3, 1)
                                                                                   P_{2433} = (0, 7, 8, 1) = (0, \alpha^7, \alpha^3, 1)
P_{2389} = (4, 4, 8, 1) = (\alpha^2, \alpha^2, \alpha^3, 1)
                                                                                   P_{2434} = (1, 7, 8, 1) = (1, \alpha^7, \alpha^3, 1)
P_{2390} = (5, 4, 8, 1) = (\alpha^9, \alpha^2, \alpha^3, 1)
                                                                                   P_{2435} = (2, 7, 8, 1) = (\alpha, \alpha^7, \alpha^3, 1)
                                                                                   P_{2436} = (3, 7, 8, 1) = (\alpha^{12}, \alpha^7, \alpha^3, 1)
P_{2391} = (6, 4, 8, 1) = (\alpha^{13}, \alpha^2, \alpha^3, 1)
P_{2392} = (7, 4, 8, 1) = (\alpha^7, \alpha^2, \alpha^3, 1)
                                                                                   P_{2437} = (4, 7, 8, 1) = (\alpha^2, \alpha^7, \alpha^3, 1)
P_{2393} = (8, 4, 8, 1) = (\alpha^3, \alpha^2, \alpha^3, 1)
                                                                                   P_{2438} = (5, 7, 8, 1) = (\alpha^9, \alpha^7, \alpha^3, 1)
P_{2394} = (9, 4, 8, 1) = (\alpha^4, \alpha^2, \alpha^3, 1)
                                                                                   P_{2439} = (6,7,8,1) = (\alpha^{13}, \alpha^7, \alpha^3, 1)
P_{2395} = (10, 4, 8, 1) = (\alpha^{10}, \alpha^2, \alpha^3, 1)
                                                                                   P_{2440} = (7, 7, 8, 1) = (\alpha^7, \alpha^7, \alpha^3, 1)
P_{2396} = (11, 4, 8, 1) = (\alpha^5, \alpha^2, \alpha^3, 1)
                                                                                   P_{2441} = (8, 7, 8, 1) = (\alpha^3, \alpha^7, \alpha^3, 1)
P_{2397} = (12, 4, 8, 1) = (\alpha^{14}, \alpha^2, \alpha^3, 1)
                                                                                   P_{2442} = (9,7,8,1) = (\alpha^4, \alpha^7, \alpha^3, 1)
                                                                                   P_{2443} = (10, 7, 8, 1) = (\alpha^{10}, \alpha^7, \alpha^3, 1)
P_{2398} = (13, 4, 8, 1) = (\alpha^{11}, \alpha^2, \alpha^3, 1)
                                                                                   P_{2444} = (11, 7, 8, 1) = (\alpha^5, \alpha^7, \alpha^3, 1)
P_{2399} = (14, 4, 8, 1) = (\alpha^8, \alpha^2, \alpha^3, 1)
P_{2400} = (15, 4, 8, 1) = (\alpha^6, \alpha^2, \alpha^3, 1)
                                                                                   P_{2445} = (12, 7, 8, 1) = (\alpha^{14}, \alpha^7, \alpha^3, 1)
                                                                                   P_{2446} = (13, 7, 8, 1) = (\alpha^{11}, \alpha^7, \alpha^3, 1)
P_{2401} = (0, 5, 8, 1) = (0, \alpha^9, \alpha^3, 1)
P_{2402} = (1, 5, 8, 1) = (1, \alpha^9, \alpha^3, 1)
                                                                                   P_{2447} = (14, 7, 8, 1) = (\alpha^8, \alpha^7, \alpha^3, 1)
P_{2403} = (2, 5, 8, 1) = (\alpha, \alpha^9, \alpha^3, 1)
                                                                                   P_{2448} = (15, 7, 8, 1) = (\alpha^6, \alpha^7, \alpha^3, 1)
P_{2404} = (3, 5, 8, 1) = (\alpha^{12}, \alpha^9, \alpha^3, 1)
                                                                                   P_{2449} = (0, 8, 8, 1) = (0, \alpha^3, \alpha^3, 1)
P_{2405} = (4, 5, 8, 1) = (\alpha^2, \alpha^9, \alpha^3, 1)
                                                                                   P_{2450} = (1, 8, 8, 1) = (1, \alpha^3, \alpha^3, 1)
P_{2406} = (5, 5, 8, 1) = (\alpha^9, \alpha^9, \alpha^3, 1)
                                                                                   P_{2451} = (2, 8, 8, 1) = (\alpha, \alpha^3, \alpha^3, 1)
P_{2407} = (6, 5, 8, 1) = (\alpha^{13}, \alpha^9, \alpha^3, 1)
                                                                                   P_{2452} = (3, 8, 8, 1) = (\alpha^{12}, \alpha^3, \alpha^3, 1)
P_{2408} = (7, 5, 8, 1) = (\alpha^7, \alpha^9, \alpha^3, 1)
                                                                                   P_{2453} = (4, 8, 8, 1) = (\alpha^2, \alpha^3, \alpha^3, 1)
P_{2409} = (8, 5, 8, 1) = (\alpha^3, \alpha^9, \alpha^3, 1)
                                                                                   P_{2454} = (5, 8, 8, 1) = (\alpha^9, \alpha^3, \alpha^3, 1)
                                                                                   P_{2455} = (6, 8, 8, 1) = (\alpha^{13}, \alpha^3, \alpha^3, 1)
P_{2410} = (9, 5, 8, 1) = (\alpha^4, \alpha^9, \alpha^3, 1)
P_{2411} = (10, 5, 8, 1) = (\alpha^{10}, \alpha^9, \alpha^3, 1)
                                                                                   P_{2456} = (7, 8, 8, 1) = (\alpha^7, \alpha^3, \alpha^3, 1)
P_{2412} = (11, 5, 8, 1) = (\alpha^5, \alpha^9, \alpha^3, 1)
                                                                                   P_{2457} = (8, 8, 8, 1) = (\alpha^3, \alpha^3, \alpha^3, 1)
P_{2413} = (12, 5, 8, 1) = (\alpha^{14}, \alpha^9, \alpha^3, 1)
                                                                                   P_{2458} = (9, 8, 8, 1) = (\alpha^4, \alpha^3, \alpha^3, 1)
                                                                                   P_{2459} = (10, 8, 8, 1) = (\alpha^{10}, \alpha^3, \alpha^3, 1)
P_{2414} = (13, 5, 8, 1) = (\alpha^{11}, \alpha^9, \alpha^3, 1)
                                                                                   P_{2460} = (11, 8, 8, 1) = (\alpha^5, \alpha^3, \alpha^3, 1)
P_{2415} = (14, 5, 8, 1) = (\alpha^8, \alpha^9, \alpha^3, 1)
P_{2416} = (15, 5, 8, 1) = (\alpha^6, \alpha^9, \alpha^3, 1)
                                                                                   P_{2461} = (12, 8, 8, 1) = (\alpha^{14}, \alpha^3, \alpha^3, 1)
P_{2417} = (0, 6, 8, 1) = (0, \alpha^{13}, \alpha^{3}, 1)
                                                                                   P_{2462} = (13, 8, 8, 1) = (\alpha^{11}, \alpha^3, \alpha^3, 1)
P_{2418} = (1, 6, 8, 1) = (1, \alpha^{13}, \alpha^{3}, 1)
                                                                                   P_{2463} = (14, 8, 8, 1) = (\alpha^8, \alpha^3, \alpha^3, 1)
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P_{2464} = (15, 8, 8, 1) = (\alpha^6, \alpha^3, \alpha^3, 1)
                                                                                   P_{2509} = (12, 11, 8, 1) = (\alpha^{14}, \alpha^5, \alpha^3, 1)
                                                                                   P_{2510} = (13, 11, 8, 1) = (\alpha^{11}, \alpha^5, \alpha^3, 1)
P_{2465} = (0, 9, 8, 1) = (0, \alpha^4, \alpha^3, 1)
P_{2466} = (1, 9, 8, 1) = (1, \alpha^4, \alpha^3, 1)
                                                                                   P_{2511} = (14, 11, 8, 1) = (\alpha^8, \alpha^5, \alpha^3, 1)
P_{2467} = (2, 9, 8, 1) = (\alpha, \alpha^4, \alpha^3, 1)
                                                                                  P_{2512} = (15, 11, 8, 1) = (\alpha^6, \alpha^5, \alpha^3, 1)
P_{2468} = (3, 9, 8, 1) = (\alpha^{12}, \alpha^4, \alpha^3, 1)
                                                                                  P_{2513} = (0, 12, 8, 1) = (0, \alpha^{14}, \alpha^3, 1)
                                                                                  P_{2514} = (1, 12, 8, 1) = (1, \alpha^{14}, \alpha^3, 1)
P_{2469} = (4, 9, 8, 1) = (\alpha^2, \alpha^4, \alpha^3, 1)
                                                                                  P_{2515} = (2, 12, 8, 1) = (\alpha, \alpha^{14}, \alpha^{3}, 1)
P_{2470} = (5, 9, 8, 1) = (\alpha^9, \alpha^4, \alpha^3, 1)
P_{2471} = (6, 9, 8, 1) = (\alpha^{13}, \alpha^4, \alpha^3, 1)
                                                                                  P_{2516} = (3, 12, 8, 1) = (\alpha^{12}, \alpha^{14}, \alpha^{3}, 1)
                                                                                  P_{2517} = (4, 12, 8, 1) = (\alpha^2, \alpha^{14}, \alpha^3, 1)
P_{2472} = (7, 9, 8, 1) = (\alpha^7, \alpha^4, \alpha^3, 1)
                                                                                  P_{2518} = (5, 12, 8, 1) = (\alpha^9, \alpha^{14}, \alpha^3, 1)
P_{2473} = (8, 9, 8, 1) = (\alpha^3, \alpha^4, \alpha^3, 1)
                                                                                  P_{2519} = (6, 12, 8, 1) = (\alpha^{13}, \alpha^{14}, \alpha^{3}, 1)
P_{2474} = (9, 9, 8, 1) = (\alpha^4, \alpha^4, \alpha^3, 1)
                                                                                  P_{2520} = (7, 12, 8, 1) = (\alpha^7, \alpha^{14}, \alpha^3, 1)
P_{2475} = (10, 9, 8, 1) = (\alpha^{10}, \alpha^4, \alpha^3, 1)
                                                                                  P_{2521} = (8, 12, 8, 1) = (\alpha^3, \alpha^{14}, \alpha^3, 1)
P_{2476} = (11, 9, 8, 1) = (\alpha^5, \alpha^4, \alpha^3, 1)
P_{2477} = (12, 9, 8, 1) = (\alpha^{14}, \alpha^4, \alpha^3, 1)
                                                                                  P_{2522} = (9, 12, 8, 1) = (\alpha^4, \alpha^{14}, \alpha^3, 1)
P_{2478} = (13, 9, 8, 1) = (\alpha^{11}, \alpha^4, \alpha^3, 1)
                                                                                  P_{2523} = (10, 12, 8, 1) = (\alpha^{10}, \alpha^{14}, \alpha^{3}, 1)
P_{2479} = (14, 9, 8, 1) = (\alpha^8, \alpha^4, \alpha^3, 1)
                                                                                  P_{2524} = (11, 12, 8, 1) = (\alpha^5, \alpha^{14}, \alpha^3, 1)
                                                                                  P_{2525} = (12, 12, 8, 1) = (\alpha^{14}, \alpha^{14}, \alpha^{3}, 1)
P_{2480} = (15, 9, 8, 1) = (\alpha^6, \alpha^4, \alpha^3, 1)
P_{2481} = (0, 10, 8, 1) = (0, \alpha^{10}, \alpha^3, 1)
                                                                                  P_{2526} = (13, 12, 8, 1) = (\alpha^{11}, \alpha^{14}, \alpha^{3}, 1)
P_{2482} = (1, 10, 8, 1) = (1, \alpha^{10}, \alpha^3, 1)
                                                                                  P_{2527} = (14, 12, 8, 1) = (\alpha^8, \alpha^{14}, \alpha^3, 1)
P_{2483} = (2, 10, 8, 1) = (\alpha, \alpha^{10}, \alpha^{3}, 1)
                                                                                  P_{2528} = (15, 12, 8, 1) = (\alpha^6, \alpha^{14}, \alpha^3, 1)
P_{2484} = (3, 10, 8, 1) = (\alpha^{12}, \alpha^{10}, \alpha^3, 1)
                                                                                  P_{2529} = (0, 13, 8, 1) = (0, \alpha^{11}, \alpha^3, 1)
P_{2485} = (4, 10, 8, 1) = (\alpha^2, \alpha^{10}, \alpha^3, 1)
                                                                                  P_{2530} = (1, 13, 8, 1) = (1, \alpha^{11}, \alpha^3, 1)
                                                                                  P_{2531} = (2, 13, 8, 1) = (\alpha, \alpha^{11}, \alpha^3, 1)
P_{2486} = (5, 10, 8, 1) = (\alpha^9, \alpha^{10}, \alpha^3, 1)
                                                                                  P_{2532} = (3, 13, 8, 1) = (\alpha^{12}, \alpha^{11}, \alpha^{3}, 1)
P_{2487} = (6, 10, 8, 1) = (\alpha^{13}, \alpha^{10}, \alpha^{3}, 1)
P_{2488} = (7, 10, 8, 1) = (\alpha^7, \alpha^{10}, \alpha^3, 1)
                                                                                  P_{2533} = (4, 13, 8, 1) = (\alpha^2, \alpha^{11}, \alpha^3, 1)
P_{2489} = (8, 10, 8, 1) = (\alpha^3, \alpha^{10}, \alpha^3, 1)
                                                                                  P_{2534} = (5, 13, 8, 1) = (\alpha^9, \alpha^{11}, \alpha^3, 1)
P_{2490} = (9, 10, 8, 1) = (\alpha^4, \alpha^{10}, \alpha^3, 1)
                                                                                  P_{2535} = (6, 13, 8, 1) = (\alpha^{13}, \alpha^{11}, \alpha^{3}, 1)
P_{2491} = (10, 10, 8, 1) = (\alpha^{10}, \alpha^{10}, \alpha^{3}, 1)
                                                                                  P_{2536} = (7, 13, 8, 1) = (\alpha^7, \alpha^{11}, \alpha^3, 1)
                                                                                  P_{2537} = (8, 13, 8, 1) = (\alpha^3, \alpha^{11}, \alpha^3, 1)
P_{2492} = (11, 10, 8, 1) = (\alpha^5, \alpha^{10}, \alpha^3, 1)
P_{2493} = (12, 10, 8, 1) = (\alpha^{14}, \alpha^{10}, \alpha^{3}, 1)
                                                                                  P_{2538} = (9, 13, 8, 1) = (\alpha^4, \alpha^{11}, \alpha^3, 1)
P_{2494} = (13, 10, 8, 1) = (\alpha^{11}, \alpha^{10}, \alpha^3, 1)
                                                                                  P_{2539} = (10, 13, 8, 1) = (\alpha^{10}, \alpha^{11}, \alpha^{3}, 1)
P_{2495} = (14, 10, 8, 1) = (\alpha^8, \alpha^{10}, \alpha^3, 1)
                                                                                  P_{2540} = (11, 13, 8, 1) = (\alpha^5, \alpha^{11}, \alpha^3, 1)
P_{2496} = (15, 10, 8, 1) = (\alpha^6, \alpha^{10}, \alpha^3, 1)
                                                                                  P_{2541} = (12, 13, 8, 1) = (\alpha^{14}, \alpha^{11}, \alpha^{3}, 1)
                                                                                  P_{2542} = (13, 13, 8, 1) = (\alpha^{11}, \alpha^{11}, \alpha^3, 1)
P_{2497} = (0, 11, 8, 1) = (0, \alpha^5, \alpha^3, 1)
                                                                                  P_{2543} = (14, 13, 8, 1) = (\alpha^8, \alpha^{11}, \alpha^3, 1)
P_{2498} = (1, 11, 8, 1) = (1, \alpha^5, \alpha^3, 1)
P_{2499} = (2, 11, 8, 1) = (\alpha, \alpha^5, \alpha^3, 1)
                                                                                  P_{2544} = (15, 13, 8, 1) = (\alpha^6, \alpha^{11}, \alpha^3, 1)
P_{2500} = (3, 11, 8, 1) = (\alpha^{12}, \alpha^5, \alpha^3, 1)
                                                                                  P_{2545} = (0, 14, 8, 1) = (0, \alpha^8, \alpha^3, 1)
P_{2501} = (4, 11, 8, 1) = (\alpha^2, \alpha^5, \alpha^3, 1)
                                                                                  P_{2546} = (1, 14, 8, 1) = (1, \alpha^8, \alpha^3, 1)
P_{2502} = (5, 11, 8, 1) = (\alpha^9, \alpha^5, \alpha^3, 1)
                                                                                  P_{2547} = (2, 14, 8, 1) = (\alpha, \alpha^8, \alpha^3, 1)
P_{2503} = (6, 11, 8, 1) = (\alpha^{13}, \alpha^5, \alpha^3, 1)
                                                                                  P_{2548} = (3, 14, 8, 1) = (\alpha^{12}, \alpha^{8}, \alpha^{3}, 1)
P_{2504} = (7, 11, 8, 1) = (\alpha^7, \alpha^5, \alpha^3, 1)
                                                                                  P_{2549} = (4, 14, 8, 1) = (\alpha^2, \alpha^8, \alpha^3, 1)
P_{2505} = (8, 11, 8, 1) = (\alpha^3, \alpha^5, \alpha^3, 1)
                                                                                  P_{2550} = (5, 14, 8, 1) = (\alpha^9, \alpha^8, \alpha^3, 1)
P_{2506} = (9, 11, 8, 1) = (\alpha^4, \alpha^5, \alpha^3, 1)
                                                                                  P_{2551} = (6, 14, 8, 1) = (\alpha^{13}, \alpha^8, \alpha^3, 1)
P_{2507} = (10, 11, 8, 1) = (\alpha^{10}, \alpha^5, \alpha^3, 1)
                                                                                  P_{2552} = (7, 14, 8, 1) = (\alpha^7, \alpha^8, \alpha^3, 1)
P_{2508} = (11, 11, 8, 1) = (\alpha^5, \alpha^5, \alpha^3, 1)
                                                                                  P_{2553} = (8, 14, 8, 1) = (\alpha^3, \alpha^8, \alpha^3, 1)
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P_{2554} = (9, 14, 8, 1) = (\alpha^4, \alpha^8, \alpha^3, 1)
                                                                                P_{2599} = (6, 1, 9, 1) = (\alpha^{13}, 1, \alpha^4, 1)
P_{2555} = (10, 14, 8, 1) = (\alpha^{10}, \alpha^8, \alpha^3, 1)
                                                                                P_{2600} = (7, 1, 9, 1) = (\alpha^7, 1, \alpha^4, 1)
P_{2556} = (11, 14, 8, 1) = (\alpha^5, \alpha^8, \alpha^3, 1)
                                                                                P_{2601} = (8, 1, 9, 1) = (\alpha^3, 1, \alpha^4, 1)
                                                                                P_{2602} = (9, 1, 9, 1) = (\alpha^4, 1, \alpha^4, 1)
P_{2557} = (12, 14, 8, 1) = (\alpha^{14}, \alpha^{8}, \alpha^{3}, 1)
P_{2558} = (13, 14, 8, 1) = (\alpha^{11}, \alpha^{8}, \alpha^{3}, 1)
                                                                                P_{2603} = (10, 1, 9, 1) = (\alpha^{10}, 1, \alpha^4, 1)
P_{2559} = (14, 14, 8, 1) = (\alpha^8, \alpha^8, \alpha^3, 1)
                                                                                P_{2604} = (11, 1, 9, 1) = (\alpha^5, 1, \alpha^4, 1)
P_{2560} = (15, 14, 8, 1) = (\alpha^6, \alpha^8, \alpha^3, 1)
                                                                                P_{2605} = (12, 1, 9, 1) = (\alpha^{14}, 1, \alpha^{4}, 1)
                                                                               P_{2606} = (13, 1, 9, 1) = (\alpha^{11}, 1, \alpha^4, 1)
P_{2561} = (0, 15, 8, 1) = (0, \alpha^6, \alpha^3, 1)
P_{2562} = (1, 15, 8, 1) = (1, \alpha^6, \alpha^3, 1)
                                                                                P_{2607} = (14, 1, 9, 1) = (\alpha^8, 1, \alpha^4, 1)
P_{2563} = (2, 15, 8, 1) = (\alpha, \alpha^6, \alpha^3, 1)
                                                                                P_{2608} = (15, 1, 9, 1) = (\alpha^6, 1, \alpha^4, 1)
P_{2564} = (3, 15, 8, 1) = (\alpha^{12}, \alpha^6, \alpha^3, 1)
                                                                                P_{2609} = (0, 2, 9, 1) = (0, \alpha, \alpha^4, 1)
                                                                                P_{2610} = (1, 2, 9, 1) = (1, \alpha, \alpha^4, 1)
P_{2565} = (4, 15, 8, 1) = (\alpha^2, \alpha^6, \alpha^3, 1)
P_{2566} = (5, 15, 8, 1) = (\alpha^9, \alpha^6, \alpha^3, 1)
                                                                                P_{2611} = (2, 2, 9, 1) = (\alpha, \alpha, \alpha^4, 1)
P_{2567} = (6, 15, 8, 1) = (\alpha^{13}, \alpha^6, \alpha^3, 1)
                                                                                P_{2612} = (3, 2, 9, 1) = (\alpha^{12}, \alpha, \alpha^4, 1)
                                                                                P_{2613} = (4, 2, 9, 1) = (\alpha^2, \alpha, \alpha^4, 1)
P_{2568} = (7, 15, 8, 1) = (\alpha^7, \alpha^6, \alpha^3, 1)
P_{2569} = (8, 15, 8, 1) = (\alpha^3, \alpha^6, \alpha^3, 1)
                                                                                P_{2614} = (5, 2, 9, 1) = (\alpha^9, \alpha, \alpha^4, 1)
                                                                               P_{2615} = (6, 2, 9, 1) = (\alpha^{13}, \alpha, \alpha^4, 1)
P_{2570} = (9, 15, 8, 1) = (\alpha^4, \alpha^6, \alpha^3, 1)
P_{2571} = (10, 15, 8, 1) = (\alpha^{10}, \alpha^6, \alpha^3, 1)
                                                                                P_{2616} = (7, 2, 9, 1) = (\alpha^7, \alpha, \alpha^4, 1)
P_{2572} = (11, 15, 8, 1) = (\alpha^5, \alpha^6, \alpha^3, 1)
                                                                                P_{2617} = (8, 2, 9, 1) = (\alpha^3, \alpha, \alpha^4, 1)
P_{2573} = (12, 15, 8, 1) = (\alpha^{14}, \alpha^6, \alpha^3, 1)
                                                                                P_{2618} = (9, 2, 9, 1) = (\alpha^4, \alpha, \alpha^4, 1)
P_{2574} = (13, 15, 8, 1) = (\alpha^{11}, \alpha^6, \alpha^3, 1)
                                                                                P_{2619} = (10, 2, 9, 1) = (\alpha^{10}, \alpha, \alpha^4, 1)
P_{2575} = (14, 15, 8, 1) = (\alpha^8, \alpha^6, \alpha^3, 1)
                                                                                P_{2620} = (11, 2, 9, 1) = (\alpha^5, \alpha, \alpha^4, 1)
                                                                                P_{2621} = (12, 2, 9, 1) = (\alpha^{14}, \alpha, \alpha^4, 1)
P_{2576} = (15, 15, 8, 1) = (\alpha^6, \alpha^6, \alpha^3, 1)
                                                                                P_{2622} = (13, 2, 9, 1) = (\alpha^{11}, \alpha, \alpha^4, 1)
P_{2577} = (0, 0, 9, 1) = (0, 0, \alpha^4, 1)
                                                                                P_{2623} = (14, 2, 9, 1) = (\alpha^8, \alpha, \alpha^4, 1)
P_{2578} = (1, 0, 9, 1) = (1, 0, \alpha^4, 1)
                                                                                P_{2624} = (15, 2, 9, 1) = (\alpha^6, \alpha, \alpha^4, 1)
P_{2579} = (2, 0, 9, 1) = (\alpha, 0, \alpha^4, 1)
P_{2580} = (3, 0, 9, 1) = (\alpha^{12}, 0, \alpha^4, 1)
                                                                                P_{2625} = (0, 3, 9, 1) = (0, \alpha^{12}, \alpha^4, 1)
                                                                                P_{2626} = (1, 3, 9, 1) = (1, \alpha^{12}, \alpha^4, 1)
P_{2581} = (4, 0, 9, 1) = (\alpha^2, 0, \alpha^4, 1)
P_{2582} = (5, 0, 9, 1) = (\alpha^9, 0, \alpha^4, 1)
                                                                                P_{2627} = (2, 3, 9, 1) = (\alpha, \alpha^{12}, \alpha^4, 1)
P_{2583} = (6, 0, 9, 1) = (\alpha^{13}, 0, \alpha^4, 1)
                                                                                P_{2628} = (3, 3, 9, 1) = (\alpha^{12}, \alpha^{12}, \alpha^4, 1)
                                                                                P_{2629} = (4, 3, 9, 1) = (\alpha^2, \alpha^{12}, \alpha^4, 1)
P_{2584} = (7, 0, 9, 1) = (\alpha^7, 0, \alpha^4, 1)
                                                                               P_{2630} = (5, 3, 9, 1) = (\alpha^9, \alpha^{12}, \alpha^4, 1)
P_{2585} = (8, 0, 9, 1) = (\alpha^3, 0, \alpha^4, 1)
                                                                               P_{2631} = (6, 3, 9, 1) = (\alpha^{13}, \alpha^{12}, \alpha^4, 1)
P_{2586} = (9, 0, 9, 1) = (\alpha^4, 0, \alpha^4, 1)
P_{2587} = (10, 0, 9, 1) = (\alpha^{10}, 0, \alpha^4, 1)
                                                                                P_{2632} = (7, 3, 9, 1) = (\alpha^7, \alpha^{12}, \alpha^4, 1)
                                                                                P_{2633} = (8, 3, 9, 1) = (\alpha^3, \alpha^{12}, \alpha^4, 1)
P_{2588} = (11, 0, 9, 1) = (\alpha^5, 0, \alpha^4, 1)
                                                                               P_{2634} = (9, 3, 9, 1) = (\alpha^4, \alpha^{12}, \alpha^4, 1)
P_{2589} = (12, 0, 9, 1) = (\alpha^{14}, 0, \alpha^4, 1)
                                                                               P_{2635} = (10, 3, 9, 1) = (\alpha^{10}, \alpha^{12}, \alpha^4, 1)
P_{2590} = (13, 0, 9, 1) = (\alpha^{11}, 0, \alpha^4, 1)
                                                                                P_{2636} = (11, 3, 9, 1) = (\alpha^5, \alpha^{12}, \alpha^4, 1)
P_{2591} = (14, 0, 9, 1) = (\alpha^8, 0, \alpha^4, 1)
P_{2592} = (15, 0, 9, 1) = (\alpha^6, 0, \alpha^4, 1)
                                                                                P_{2637} = (12, 3, 9, 1) = (\alpha^{14}, \alpha^{12}, \alpha^{4}, 1)
                                                                                P_{2638} = (13, 3, 9, 1) = (\alpha^{11}, \alpha^{12}, \alpha^4, 1)
P_{2593} = (0, 1, 9, 1) = (0, 1, \alpha^4, 1)
                                                                                P_{2639} = (14, 3, 9, 1) = (\alpha^8, \alpha^{12}, \alpha^4, 1)
P_{2594} = (1, 1, 9, 1) = (1, 1, \alpha^4, 1)
                                                                                P_{2640} = (15, 3, 9, 1) = (\alpha^6, \alpha^{12}, \alpha^4, 1)
P_{2595} = (2, 1, 9, 1) = (\alpha, 1, \alpha^4, 1)
P_{2596} = (3, 1, 9, 1) = (\alpha^{12}, 1, \alpha^4, 1)
                                                                                P_{2641} = (0, 4, 9, 1) = (0, \alpha^2, \alpha^4, 1)
P_{2597} = (4, 1, 9, 1) = (\alpha^2, 1, \alpha^4, 1)
                                                                                P_{2642} = (1, 4, 9, 1) = (1, \alpha^2, \alpha^4, 1)
P_{2598} = (5, 1, 9, 1) = (\alpha^9, 1, \alpha^4, 1)
                                                                                P_{2643} = (2, 4, 9, 1) = (\alpha, \alpha^2, \alpha^4, 1)
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P_{2644} = (3, 4, 9, 1) = (\alpha^{12}, \alpha^2, \alpha^4, 1)
                                                                                   P_{2689} = (0, 7, 9, 1) = (0, \alpha^7, \alpha^4, 1)
P_{2645} = (4, 4, 9, 1) = (\alpha^2, \alpha^2, \alpha^4, 1)
                                                                                   P_{2690} = (1, 7, 9, 1) = (1, \alpha^7, \alpha^4, 1)
P_{2646} = (5, 4, 9, 1) = (\alpha^9, \alpha^2, \alpha^4, 1)
                                                                                   P_{2691} = (2, 7, 9, 1) = (\alpha, \alpha^7, \alpha^4, 1)
P_{2647} = (6, 4, 9, 1) = (\alpha^{13}, \alpha^2, \alpha^4, 1)
                                                                                   P_{2692} = (3, 7, 9, 1) = (\alpha^{12}, \alpha^7, \alpha^4, 1)
P_{2648} = (7, 4, 9, 1) = (\alpha^7, \alpha^2, \alpha^4, 1)
                                                                                   P_{2693} = (4,7,9,1) = (\alpha^2, \alpha^7, \alpha^4, 1)
P_{2649} = (8, 4, 9, 1) = (\alpha^3, \alpha^2, \alpha^4, 1)
                                                                                   P_{2694} = (5, 7, 9, 1) = (\alpha^9, \alpha^7, \alpha^4, 1)
                                                                                  P_{2695} = (6, 7, 9, 1) = (\alpha^{13}, \alpha^7, \alpha^4, 1)
P_{2650} = (9, 4, 9, 1) = (\alpha^4, \alpha^2, \alpha^4, 1)
P_{2651} = (10, 4, 9, 1) = (\alpha^{10}, \alpha^2, \alpha^4, 1)
                                                                                   P_{2696} = (7, 7, 9, 1) = (\alpha^7, \alpha^7, \alpha^4, 1)
P_{2652} = (11, 4, 9, 1) = (\alpha^5, \alpha^2, \alpha^4, 1)
                                                                                   P_{2697} = (8,7,9,1) = (\alpha^3, \alpha^7, \alpha^4, 1)
P_{2653} = (12, 4, 9, 1) = (\alpha^{14}, \alpha^2, \alpha^4, 1)
                                                                                   P_{2698} = (9,7,9,1) = (\alpha^4, \alpha^7, \alpha^4, 1)
P_{2654} = (13, 4, 9, 1) = (\alpha^{11}, \alpha^2, \alpha^4, 1)
                                                                                   P_{2699} = (10, 7, 9, 1) = (\alpha^{10}, \alpha^7, \alpha^4, 1)
P_{2655} = (14, 4, 9, 1) = (\alpha^8, \alpha^2, \alpha^4, 1)
                                                                                   P_{2700} = (11, 7, 9, 1) = (\alpha^5, \alpha^7, \alpha^4, 1)
P_{2656} = (15, 4, 9, 1) = (\alpha^6, \alpha^2, \alpha^4, 1)
                                                                                   P_{2701} = (12, 7, 9, 1) = (\alpha^{14}, \alpha^7, \alpha^4, 1)
P_{2657} = (0, 5, 9, 1) = (0, \alpha^9, \alpha^4, 1)
                                                                                   P_{2702} = (13, 7, 9, 1) = (\alpha^{11}, \alpha^7, \alpha^4, 1)
P_{2658} = (1, 5, 9, 1) = (1, \alpha^9, \alpha^4, 1)
                                                                                   P_{2703} = (14, 7, 9, 1) = (\alpha^8, \alpha^7, \alpha^4, 1)
P_{2659} = (2, 5, 9, 1) = (\alpha, \alpha^9, \alpha^4, 1)
                                                                                   P_{2704} = (15, 7, 9, 1) = (\alpha^6, \alpha^7, \alpha^4, 1)
P_{2660} = (3, 5, 9, 1) = (\alpha^{12}, \alpha^9, \alpha^4, 1)
                                                                                   P_{2705} = (0, 8, 9, 1) = (0, \alpha^3, \alpha^4, 1)
P_{2661} = (4, 5, 9, 1) = (\alpha^2, \alpha^9, \alpha^4, 1)
                                                                                   P_{2706} = (1, 8, 9, 1) = (1, \alpha^3, \alpha^4, 1)
P_{2662} = (5, 5, 9, 1) = (\alpha^9, \alpha^9, \alpha^4, 1)
                                                                                   P_{2707} = (2, 8, 9, 1) = (\alpha, \alpha^3, \alpha^4, 1)
                                                                                   P_{2708} = (3, 8, 9, 1) = (\alpha^{12}, \alpha^3, \alpha^4, 1)
P_{2663} = (6, 5, 9, 1) = (\alpha^{13}, \alpha^{9}, \alpha^{4}, 1)
P_{2664} = (7, 5, 9, 1) = (\alpha^7, \alpha^9, \alpha^4, 1)
                                                                                   P_{2709} = (4, 8, 9, 1) = (\alpha^2, \alpha^3, \alpha^4, 1)
                                                                                   P_{2710} = (5, 8, 9, 1) = (\alpha^9, \alpha^3, \alpha^4, 1)
P_{2665} = (8, 5, 9, 1) = (\alpha^3, \alpha^9, \alpha^4, 1)
                                                                                   P_{2711} = (6, 8, 9, 1) = (\alpha^{13}, \alpha^3, \alpha^4, 1)
P_{2666} = (9, 5, 9, 1) = (\alpha^4, \alpha^9, \alpha^4, 1)
P_{2667} = (10, 5, 9, 1) = (\alpha^{10}, \alpha^{9}, \alpha^{4}, 1)
                                                                                   P_{2712} = (7, 8, 9, 1) = (\alpha^7, \alpha^3, \alpha^4, 1)
P_{2668} = (11, 5, 9, 1) = (\alpha^5, \alpha^9, \alpha^4, 1)
                                                                                   P_{2713} = (8, 8, 9, 1) = (\alpha^3, \alpha^3, \alpha^4, 1)
P_{2669} = (12, 5, 9, 1) = (\alpha^{14}, \alpha^{9}, \alpha^{4}, 1)
                                                                                   P_{2714} = (9, 8, 9, 1) = (\alpha^4, \alpha^3, \alpha^4, 1)
P_{2670} = (13, 5, 9, 1) = (\alpha^{11}, \alpha^9, \alpha^4, 1)
                                                                                   P_{2715} = (10, 8, 9, 1) = (\alpha^{10}, \alpha^3, \alpha^4, 1)
P_{2671} = (14, 5, 9, 1) = (\alpha^8, \alpha^9, \alpha^4, 1)
                                                                                   P_{2716} = (11, 8, 9, 1) = (\alpha^5, \alpha^3, \alpha^4, 1)
P_{2672} = (15, 5, 9, 1) = (\alpha^6, \alpha^9, \alpha^4, 1)
                                                                                   P_{2717} = (12, 8, 9, 1) = (\alpha^{14}, \alpha^3, \alpha^4, 1)
P_{2673} = (0, 6, 9, 1) = (0, \alpha^{13}, \alpha^4, 1)
                                                                                   P_{2718} = (13, 8, 9, 1) = (\alpha^{11}, \alpha^3, \alpha^4, 1)
P_{2674} = (1, 6, 9, 1) = (1, \alpha^{13}, \alpha^4, 1)
                                                                                   P_{2719} = (14, 8, 9, 1) = (\alpha^8, \alpha^3, \alpha^4, 1)
P_{2675} = (2, 6, 9, 1) = (\alpha, \alpha^{13}, \alpha^4, 1)
                                                                                   P_{2720} = (15, 8, 9, 1) = (\alpha^6, \alpha^3, \alpha^4, 1)
P_{2676} = (3, 6, 9, 1) = (\alpha^{12}, \alpha^{13}, \alpha^{4}, 1)
                                                                                   P_{2721} = (0, 9, 9, 1) = (0, \alpha^4, \alpha^4, 1)
P_{2677} = (4, 6, 9, 1) = (\alpha^2, \alpha^{13}, \alpha^4, 1)
                                                                                   P_{2722} = (1, 9, 9, 1) = (1, \alpha^4, \alpha^4, 1)
P_{2678} = (5, 6, 9, 1) = (\alpha^9, \alpha^{13}, \alpha^4, 1)
                                                                                   P_{2723} = (2, 9, 9, 1) = (\alpha, \alpha^4, \alpha^4, 1)
P_{2679} = (6, 6, 9, 1) = (\alpha^{13}, \alpha^{13}, \alpha^4, 1)
                                                                                   P_{2724} = (3, 9, 9, 1) = (\alpha^{12}, \alpha^4, \alpha^4, 1)
P_{2680} = (7, 6, 9, 1) = (\alpha^7, \alpha^{13}, \alpha^4, 1)
                                                                                   P_{2725} = (4, 9, 9, 1) = (\alpha^2, \alpha^4, \alpha^4, 1)
                                                                                   P_{2726} = (5, 9, 9, 1) = (\alpha^9, \alpha^4, \alpha^4, 1)
P_{2681} = (8, 6, 9, 1) = (\alpha^3, \alpha^{13}, \alpha^4, 1)
                                                                                   P_{2727} = (6, 9, 9, 1) = (\alpha^{13}, \alpha^4, \alpha^4, 1)
P_{2682} = (9, 6, 9, 1) = (\alpha^4, \alpha^{13}, \alpha^4, 1)
P_{2683} = (10, 6, 9, 1) = (\alpha^{10}, \alpha^{13}, \alpha^4, 1)
                                                                                   P_{2728} = (7, 9, 9, 1) = (\alpha^7, \alpha^4, \alpha^4, 1)
                                                                                   P_{2729} = (8, 9, 9, 1) = (\alpha^3, \alpha^4, \alpha^4, 1)
P_{2684} = (11, 6, 9, 1) = (\alpha^5, \alpha^{13}, \alpha^4, 1)
P_{2685} = (12, 6, 9, 1) = (\alpha^{14}, \alpha^{13}, \alpha^{4}, 1)
                                                                                   P_{2730} = (9, 9, 9, 1) = (\alpha^4, \alpha^4, \alpha^4, 1)
P_{2686} = (13, 6, 9, 1) = (\alpha^{11}, \alpha^{13}, \alpha^4, 1)
                                                                                  P_{2731} = (10, 9, 9, 1) = (\alpha^{10}, \alpha^4, \alpha^4, 1)
P_{2687} = (14, 6, 9, 1) = (\alpha^8, \alpha^{13}, \alpha^4, 1)
                                                                                   P_{2732} = (11, 9, 9, 1) = (\alpha^5, \alpha^4, \alpha^4, 1)
P_{2688} = (15, 6, 9, 1) = (\alpha^6, \alpha^{13}, \alpha^4, 1)
                                                                                   P_{2733} = (12, 9, 9, 1) = (\alpha^{14}, \alpha^4, \alpha^4, 1)
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P_{2734} = (13, 9, 9, 1) = (\alpha^{11}, \alpha^4, \alpha^4, 1)
                                                                                  P_{2779} = (10, 12, 9, 1) = (\alpha^{10}, \alpha^{14}, \alpha^{4}, 1)
P_{2735} = (14, 9, 9, 1) = (\alpha^8, \alpha^4, \alpha^4, 1)
                                                                                  P_{2780} = (11, 12, 9, 1) = (\alpha^5, \alpha^{14}, \alpha^4, 1)
P_{2736} = (15, 9, 9, 1) = (\alpha^6, \alpha^4, \alpha^4, 1)
                                                                                  P_{2781} = (12, 12, 9, 1) = (\alpha^{14}, \alpha^{14}, \alpha^{4}, 1)
P_{2737} = (0, 10, 9, 1) = (0, \alpha^{10}, \alpha^4, 1)
                                                                                  P_{2782} = (13, 12, 9, 1) = (\alpha^{11}, \alpha^{14}, \alpha^4, 1)
P_{2738} = (1, 10, 9, 1) = (1, \alpha^{10}, \alpha^4, 1)
                                                                                  P_{2783} = (14, 12, 9, 1) = (\alpha^8, \alpha^{14}, \alpha^4, 1)
P_{2739} = (2, 10, 9, 1) = (\alpha, \alpha^{10}, \alpha^4, 1)
                                                                                  P_{2784} = (15, 12, 9, 1) = (\alpha^6, \alpha^{14}, \alpha^4, 1)
P_{2740} = (3, 10, 9, 1) = (\alpha^{12}, \alpha^{10}, \alpha^{4}, 1)
                                                                                  P_{2785} = (0, 13, 9, 1) = (0, \alpha^{11}, \alpha^4, 1)
                                                                                  P_{2786} = (1, 13, 9, 1) = (1, \alpha^{11}, \alpha^4, 1)
P_{2741} = (4, 10, 9, 1) = (\alpha^2, \alpha^{10}, \alpha^4, 1)
                                                                                  P_{2787} = (2, 13, 9, 1) = (\alpha, \alpha^{11}, \alpha^4, 1)
P_{2742} = (5, 10, 9, 1) = (\alpha^9, \alpha^{10}, \alpha^4, 1)
P_{2743} = (6, 10, 9, 1) = (\alpha^{13}, \alpha^{10}, \alpha^4, 1)
                                                                                  P_{2788} = (3, 13, 9, 1) = (\alpha^{12}, \alpha^{11}, \alpha^4, 1)
P_{2744} = (7, 10, 9, 1) = (\alpha^7, \alpha^{10}, \alpha^4, 1)
                                                                                  P_{2789} = (4, 13, 9, 1) = (\alpha^2, \alpha^{11}, \alpha^4, 1)
                                                                                  P_{2790} = (5, 13, 9, 1) = (\alpha^9, \alpha^{11}, \alpha^4, 1)
P_{2745} = (8, 10, 9, 1) = (\alpha^3, \alpha^{10}, \alpha^4, 1)
                                                                                  P_{2791} = (6, 13, 9, 1) = (\alpha^{13}, \alpha^{11}, \alpha^{4}, 1)
P_{2746} = (9, 10, 9, 1) = (\alpha^4, \alpha^{10}, \alpha^4, 1)
P_{2747} = (10, 10, 9, 1) = (\alpha^{10}, \alpha^{10}, \alpha^4, 1)
                                                                                  P_{2792} = (7, 13, 9, 1) = (\alpha^7, \alpha^{11}, \alpha^4, 1)
                                                                                  P_{2793} = (8, 13, 9, 1) = (\alpha^3, \alpha^{11}, \alpha^4, 1)
P_{2748} = (11, 10, 9, 1) = (\alpha^5, \alpha^{10}, \alpha^4, 1)
P_{2749} = (12, 10, 9, 1) = (\alpha^{14}, \alpha^{10}, \alpha^4, 1)
                                                                                  P_{2794} = (9, 13, 9, 1) = (\alpha^4, \alpha^{11}, \alpha^4, 1)
P_{2750} = (13, 10, 9, 1) = (\alpha^{11}, \alpha^{10}, \alpha^4, 1)
                                                                                  P_{2795} = (10, 13, 9, 1) = (\alpha^{10}, \alpha^{11}, \alpha^4, 1)
P_{2751} = (14, 10, 9, 1) = (\alpha^8, \alpha^{10}, \alpha^4, 1)
                                                                                  P_{2796} = (11, 13, 9, 1) = (\alpha^5, \alpha^{11}, \alpha^4, 1)
P_{2752} = (15, 10, 9, 1) = (\alpha^6, \alpha^{10}, \alpha^4, 1)
                                                                                  P_{2797} = (12, 13, 9, 1) = (\alpha^{14}, \alpha^{11}, \alpha^{4}, 1)
                                                                                  P_{2798} = (13, 13, 9, 1) = (\alpha^{11}, \alpha^{11}, \alpha^4, 1)
P_{2753} = (0, 11, 9, 1) = (0, \alpha^5, \alpha^4, 1)
P_{2754} = (1, 11, 9, 1) = (1, \alpha^5, \alpha^4, 1)
                                                                                  P_{2799} = (14, 13, 9, 1) = (\alpha^8, \alpha^{11}, \alpha^4, 1)
P_{2755} = (2, 11, 9, 1) = (\alpha, \alpha^5, \alpha^4, 1)
                                                                                  P_{2800} = (15, 13, 9, 1) = (\alpha^6, \alpha^{11}, \alpha^4, 1)
P_{2756} = (3, 11, 9, 1) = (\alpha^{12}, \alpha^5, \alpha^4, 1)
                                                                                  P_{2801} = (0, 14, 9, 1) = (0, \alpha^8, \alpha^4, 1)
P_{2757} = (4, 11, 9, 1) = (\alpha^2, \alpha^5, \alpha^4, 1)
                                                                                  P_{2802} = (1, 14, 9, 1) = (1, \alpha^8, \alpha^4, 1)
                                                                                  P_{2803} = (2, 14, 9, 1) = (\alpha, \alpha^8, \alpha^4, 1)
P_{2758} = (5, 11, 9, 1) = (\alpha^9, \alpha^5, \alpha^4, 1)
P_{2759} = (6, 11, 9, 1) = (\alpha^{13}, \alpha^5, \alpha^4, 1)
                                                                                  P_{2804} = (3, 14, 9, 1) = (\alpha^{12}, \alpha^8, \alpha^4, 1)
P_{2760} = (7, 11, 9, 1) = (\alpha^7, \alpha^5, \alpha^4, 1)
                                                                                  P_{2805} = (4, 14, 9, 1) = (\alpha^2, \alpha^8, \alpha^4, 1)
P_{2761} = (8, 11, 9, 1) = (\alpha^3, \alpha^5, \alpha^4, 1)
                                                                                  P_{2806} = (5, 14, 9, 1) = (\alpha^9, \alpha^8, \alpha^4, 1)
                                                                                  P_{2807} = (6, 14, 9, 1) = (\alpha^{13}, \alpha^8, \alpha^4, 1)
P_{2762} = (9, 11, 9, 1) = (\alpha^4, \alpha^5, \alpha^4, 1)
P_{2763} = (10, 11, 9, 1) = (\alpha^{10}, \alpha^5, \alpha^4, 1)
                                                                                  P_{2808} = (7, 14, 9, 1) = (\alpha^7, \alpha^8, \alpha^4, 1)
P_{2764} = (11, 11, 9, 1) = (\alpha^5, \alpha^5, \alpha^4, 1)
                                                                                  P_{2809} = (8, 14, 9, 1) = (\alpha^3, \alpha^8, \alpha^4, 1)
P_{2765} = (12, 11, 9, 1) = (\alpha^{14}, \alpha^5, \alpha^4, 1)
                                                                                  P_{2810} = (9, 14, 9, 1) = (\alpha^4, \alpha^8, \alpha^4, 1)
                                                                                  P_{2811} = (10, 14, 9, 1) = (\alpha^{10}, \alpha^8, \alpha^4, 1)
P_{2766} = (13, 11, 9, 1) = (\alpha^{11}, \alpha^5, \alpha^4, 1)
P_{2767} = (14, 11, 9, 1) = (\alpha^8, \alpha^5, \alpha^4, 1)
                                                                                  P_{2812} = (11, 14, 9, 1) = (\alpha^5, \alpha^8, \alpha^4, 1)
P_{2768} = (15, 11, 9, 1) = (\alpha^6, \alpha^5, \alpha^4, 1)
                                                                                  P_{2813} = (12, 14, 9, 1) = (\alpha^{14}, \alpha^{8}, \alpha^{4}, 1)
P_{2769} = (0, 12, 9, 1) = (0, \alpha^{14}, \alpha^4, 1)
                                                                                  P_{2814} = (13, 14, 9, 1) = (\alpha^{11}, \alpha^8, \alpha^4, 1)
P_{2770} = (1, 12, 9, 1) = (1, \alpha^{14}, \alpha^4, 1)
                                                                                  P_{2815} = (14, 14, 9, 1) = (\alpha^8, \alpha^8, \alpha^4, 1)
P_{2771} = (2, 12, 9, 1) = (\alpha, \alpha^{14}, \alpha^{4}, 1)
                                                                                  P_{2816} = (15, 14, 9, 1) = (\alpha^6, \alpha^8, \alpha^4, 1)
P_{2772} = (3, 12, 9, 1) = (\alpha^{12}, \alpha^{14}, \alpha^{4}, 1)
                                                                                  P_{2817} = (0, 15, 9, 1) = (0, \alpha^6, \alpha^4, 1)
P_{2773} = (4, 12, 9, 1) = (\alpha^2, \alpha^{14}, \alpha^4, 1)
                                                                                  P_{2818} = (1, 15, 9, 1) = (1, \alpha^6, \alpha^4, 1)
P_{2774} = (5, 12, 9, 1) = (\alpha^9, \alpha^{14}, \alpha^4, 1)
                                                                                  P_{2819} = (2, 15, 9, 1) = (\alpha, \alpha^6, \alpha^4, 1)
P_{2775} = (6, 12, 9, 1) = (\alpha^{13}, \alpha^{14}, \alpha^{4}, 1)
                                                                                  P_{2820} = (3, 15, 9, 1) = (\alpha^{12}, \alpha^6, \alpha^4, 1)
P_{2776} = (7, 12, 9, 1) = (\alpha^7, \alpha^{14}, \alpha^4, 1)
                                                                                  P_{2821} = (4, 15, 9, 1) = (\alpha^2, \alpha^6, \alpha^4, 1)
P_{2777} = (8, 12, 9, 1) = (\alpha^3, \alpha^{14}, \alpha^4, 1)
                                                                                  P_{2822} = (5, 15, 9, 1) = (\alpha^9, \alpha^6, \alpha^4, 1)
P_{2778} = (9, 12, 9, 1) = (\alpha^4, \alpha^{14}, \alpha^4, 1)
                                                                                  P_{2823} = (6, 15, 9, 1) = (\alpha^{13}, \alpha^6, \alpha^4, 1)
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P_{2824} = (7, 15, 9, 1) = (\alpha^7, \alpha^6, \alpha^4, 1)
                                                                                P_{2869} = (4, 2, 10, 1) = (\alpha^2, \alpha, \alpha^{10}, 1)
                                                                                P_{2870} = (5, 2, 10, 1) = (\alpha^9, \alpha, \alpha^{10}, 1)
P_{2825} = (8, 15, 9, 1) = (\alpha^3, \alpha^6, \alpha^4, 1)
P_{2826} = (9, 15, 9, 1) = (\alpha^4, \alpha^6, \alpha^4, 1)
                                                                                P_{2871} = (6, 2, 10, 1) = (\alpha^{13}, \alpha, \alpha^{10}, 1)
                                                                                P_{2872} = (7, 2, 10, 1) = (\alpha^7, \alpha, \alpha^{10}, 1)
P_{2827} = (10, 15, 9, 1) = (\alpha^{10}, \alpha^6, \alpha^4, 1)
P_{2828} = (11, 15, 9, 1) = (\alpha^5, \alpha^6, \alpha^4, 1)
                                                                                P_{2873} = (8, 2, 10, 1) = (\alpha^3, \alpha, \alpha^{10}, 1)
                                                                                P_{2874} = (9, 2, 10, 1) = (\alpha^4, \alpha, \alpha^{10}, 1)
P_{2829} = (12, 15, 9, 1) = (\alpha^{14}, \alpha^6, \alpha^4, 1)
P_{2830} = (13, 15, 9, 1) = (\alpha^{11}, \alpha^6, \alpha^4, 1)
                                                                                P_{2875} = (10, 2, 10, 1) = (\alpha^{10}, \alpha, \alpha^{10}, 1)
P_{2831} = (14, 15, 9, 1) = (\alpha^8, \alpha^6, \alpha^4, 1)
                                                                                P_{2876} = (11, 2, 10, 1) = (\alpha^5, \alpha, \alpha^{10}, 1)
                                                                                P_{2877} = (12, 2, 10, 1) = (\alpha^{14}, \alpha, \alpha^{10}, 1)
P_{2832} = (15, 15, 9, 1) = (\alpha^6, \alpha^6, \alpha^4, 1)
                                                                                P_{2878} = (13, 2, 10, 1) = (\alpha^{11}, \alpha, \alpha^{10}, 1)
P_{2833} = (0, 0, 10, 1) = (0, 0, \alpha^{10}, 1)
P_{2834} = (1, 0, 10, 1) = (1, 0, \alpha^{10}, 1)
                                                                                P_{2879} = (14, 2, 10, 1) = (\alpha^8, \alpha, \alpha^{10}, 1)
P_{2835} = (2, 0, 10, 1) = (\alpha, 0, \alpha^{10}, 1)
                                                                                P_{2880} = (15, 2, 10, 1) = (\alpha^6, \alpha, \alpha^{10}, 1)
P_{2836} = (3, 0, 10, 1) = (\alpha^{12}, 0, \alpha^{10}, 1)
                                                                                P_{2881} = (0, 3, 10, 1) = (0, \alpha^{12}, \alpha^{10}, 1)
                                                                                P_{2882} = (1, 3, 10, 1) = (1, \alpha^{12}, \alpha^{10}, 1)
P_{2837} = (4, 0, 10, 1) = (\alpha^2, 0, \alpha^{10}, 1)
                                                                                P_{2883} = (2, 3, 10, 1) = (\alpha, \alpha^{12}, \alpha^{10}, 1)
P_{2838} = (5, 0, 10, 1) = (\alpha^9, 0, \alpha^{10}, 1)
                                                                                P_{2884} = (3, 3, 10, 1) = (\alpha^{12}, \alpha^{12}, \alpha^{10}, 1)
P_{2839} = (6, 0, 10, 1) = (\alpha^{13}, 0, \alpha^{10}, 1)
                                                                                P_{2885} = (4, 3, 10, 1) = (\alpha^2, \alpha^{12}, \alpha^{10}, 1)
P_{2840} = (7, 0, 10, 1) = (\alpha^7, 0, \alpha^{10}, 1)
                                                                                P_{2886} = (5, 3, 10, 1) = (\alpha^9, \alpha^{12}, \alpha^{10}, 1)
P_{2841} = (8, 0, 10, 1) = (\alpha^3, 0, \alpha^{10}, 1)
                                                                                P_{2887} = (6, 3, 10, 1) = (\alpha^{13}, \alpha^{12}, \alpha^{10}, 1)
P_{2842} = (9, 0, 10, 1) = (\alpha^4, 0, \alpha^{10}, 1)
                                                                                P_{2888} = (7, 3, 10, 1) = (\alpha^7, \alpha^{12}, \alpha^{10}, 1)
P_{2843} = (10, 0, 10, 1) = (\alpha^{10}, 0, \alpha^{10}, 1)
P_{2844} = (11, 0, 10, 1) = (\alpha^5, 0, \alpha^{10}, 1)
                                                                                P_{2889} = (8, 3, 10, 1) = (\alpha^3, \alpha^{12}, \alpha^{10}, 1)
                                                                                P_{2890} = (9, 3, 10, 1) = (\alpha^4, \alpha^{12}, \alpha^{10}, 1)
P_{2845} = (12, 0, 10, 1) = (\alpha^{14}, 0, \alpha^{10}, 1)
                                                                                P_{2891} = (10, 3, 10, 1) = (\alpha^{10}, \alpha^{12}, \alpha^{10}, 1)
P_{2846} = (13, 0, 10, 1) = (\alpha^{11}, 0, \alpha^{10}, 1)
                                                                                P_{2892} = (11, 3, 10, 1) = (\alpha^5, \alpha^{12}, \alpha^{10}, 1)
P_{2847} = (14, 0, 10, 1) = (\alpha^8, 0, \alpha^{10}, 1)
                                                                                P_{2893} = (12, 3, 10, 1) = (\alpha^{14}, \alpha^{12}, \alpha^{10}, 1)
P_{2848} = (15, 0, 10, 1) = (\alpha^6, 0, \alpha^{10}, 1)
P_{2849} = (0, 1, 10, 1) = (0, 1, \alpha^{10}, 1)
                                                                                P_{2894} = (13, 3, 10, 1) = (\alpha^{11}, \alpha^{12}, \alpha^{10}, 1)
P_{2850} = (1, 1, 10, 1) = (1, 1, \alpha^{10}, 1)
                                                                                P_{2895} = (14, 3, 10, 1) = (\alpha^8, \alpha^{12}, \alpha^{10}, 1)
                                                                                P_{2896} = (15, 3, 10, 1) = (\alpha^6, \alpha^{12}, \alpha^{10}, 1)
P_{2851} = (2, 1, 10, 1) = (\alpha, 1, \alpha^{10}, 1)
P_{2852} = (3, 1, 10, 1) = (\alpha^{12}, 1, \alpha^{10}, 1)
                                                                                P_{2897} = (0, 4, 10, 1) = (0, \alpha^2, \alpha^{10}, 1)
P_{2853} = (4, 1, 10, 1) = (\alpha^2, 1, \alpha^{10}, 1)
                                                                                P_{2898} = (1, 4, 10, 1) = (1, \alpha^2, \alpha^{10}, 1)
P_{2854} = (5, 1, 10, 1) = (\alpha^9, 1, \alpha^{10}, 1)
                                                                                P_{2899} = (2, 4, 10, 1) = (\alpha, \alpha^2, \alpha^{10}, 1)
                                                                                P_{2900} = (3, 4, 10, 1) = (\alpha^{12}, \alpha^2, \alpha^{10}, 1)
P_{2855} = (6, 1, 10, 1) = (\alpha^{13}, 1, \alpha^{10}, 1)
P_{2856} = (7, 1, 10, 1) = (\alpha^7, 1, \alpha^{10}, 1)
                                                                                P_{2901} = (4, 4, 10, 1) = (\alpha^2, \alpha^2, \alpha^{10}, 1)
                                                                                P_{2902} = (5, 4, 10, 1) = (\alpha^9, \alpha^2, \alpha^{10}, 1)
P_{2857} = (8, 1, 10, 1) = (\alpha^3, 1, \alpha^{10}, 1)
P_{2858} = (9, 1, 10, 1) = (\alpha^4, 1, \alpha^{10}, 1)
                                                                                P_{2903} = (6, 4, 10, 1) = (\alpha^{13}, \alpha^2, \alpha^{10}, 1)
P_{2859} = (10, 1, 10, 1) = (\alpha^{10}, 1, \alpha^{10}, 1)
                                                                                P_{2904} = (7, 4, 10, 1) = (\alpha^7, \alpha^2, \alpha^{10}, 1)
P_{2860} = (11, 1, 10, 1) = (\alpha^5, 1, \alpha^{10}, 1)
                                                                                P_{2905} = (8, 4, 10, 1) = (\alpha^3, \alpha^2, \alpha^{10}, 1)
P_{2861} = (12, 1, 10, 1) = (\alpha^{14}, 1, \alpha^{10}, 1)
                                                                                P_{2906} = (9, 4, 10, 1) = (\alpha^4, \alpha^2, \alpha^{10}, 1)
                                                                                P_{2907} = (10, 4, 10, 1) = (\alpha^{10}, \alpha^2, \alpha^{10}, 1)
P_{2862} = (13, 1, 10, 1) = (\alpha^{11}, 1, \alpha^{10}, 1)
P_{2863} = (14, 1, 10, 1) = (\alpha^8, 1, \alpha^{10}, 1)
                                                                                P_{2908} = (11, 4, 10, 1) = (\alpha^5, \alpha^2, \alpha^{10}, 1)
P_{2864} = (15, 1, 10, 1) = (\alpha^6, 1, \alpha^{10}, 1)
                                                                                P_{2909} = (12, 4, 10, 1) = (\alpha^{14}, \alpha^2, \alpha^{10}, 1)
P_{2865} = (0, 2, 10, 1) = (0, \alpha, \alpha^{10}, 1)
                                                                                P_{2910} = (13, 4, 10, 1) = (\alpha^{11}, \alpha^2, \alpha^{10}, 1)
P_{2866} = (1, 2, 10, 1) = (1, \alpha, \alpha^{10}, 1)
                                                                                P_{2911} = (14, 4, 10, 1) = (\alpha^8, \alpha^2, \alpha^{10}, 1)
P_{2867} = (2, 2, 10, 1) = (\alpha, \alpha, \alpha^{10}, 1)
                                                                                P_{2912} = (15, 4, 10, 1) = (\alpha^6, \alpha^2, \alpha^{10}, 1)
P_{2868} = (3, 2, 10, 1) = (\alpha^{12}, \alpha, \alpha^{10}, 1)
                                                                                P_{2913} = (0, 5, 10, 1) = (0, \alpha^9, \alpha^{10}, 1)
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P_{2914} = (1, 5, 10, 1) = (1, \alpha^9, \alpha^{10}, 1)
                                                                                   P_{2959} = (14, 7, 10, 1) = (\alpha^8, \alpha^7, \alpha^{10}, 1)
P_{2915} = (2, 5, 10, 1) = (\alpha, \alpha^9, \alpha^{10}, 1)
                                                                                   P_{2960} = (15, 7, 10, 1) = (\alpha^6, \alpha^7, \alpha^{10}, 1)
P_{2916} = (3, 5, 10, 1) = (\alpha^{12}, \alpha^9, \alpha^{10}, 1)
                                                                                   P_{2961} = (0, 8, 10, 1) = (0, \alpha^3, \alpha^{10}, 1)
P_{2917} = (4, 5, 10, 1) = (\alpha^2, \alpha^9, \alpha^{10}, 1)
                                                                                   P_{2962} = (1, 8, 10, 1) = (1, \alpha^3, \alpha^{10}, 1)
P_{2918} = (5, 5, 10, 1) = (\alpha^9, \alpha^9, \alpha^{10}, 1)
                                                                                   P_{2963} = (2, 8, 10, 1) = (\alpha, \alpha^3, \alpha^{10}, 1)
                                                                                   P_{2964} = (3, 8, 10, 1) = (\alpha^{12}, \alpha^3, \alpha^{10}, 1)
P_{2919} = (6, 5, 10, 1) = (\alpha^{13}, \alpha^9, \alpha^{10}, 1)
P_{2920} = (7, 5, 10, 1) = (\alpha^7, \alpha^9, \alpha^{10}, 1)
                                                                                   P_{2965} = (4, 8, 10, 1) = (\alpha^2, \alpha^3, \alpha^{10}, 1)
P_{2921} = (8, 5, 10, 1) = (\alpha^3, \alpha^9, \alpha^{10}, 1)
                                                                                   P_{2966} = (5, 8, 10, 1) = (\alpha^9, \alpha^3, \alpha^{10}, 1)
P_{2922} = (9, 5, 10, 1) = (\alpha^4, \alpha^9, \alpha^{10}, 1)
                                                                                   P_{2967} = (6, 8, 10, 1) = (\alpha^{13}, \alpha^3, \alpha^{10}, 1)
P_{2923} = (10, 5, 10, 1) = (\alpha^{10}, \alpha^9, \alpha^{10}, 1)
                                                                                   P_{2968} = (7, 8, 10, 1) = (\alpha^7, \alpha^3, \alpha^{10}, 1)
P_{2924} = (11, 5, 10, 1) = (\alpha^5, \alpha^9, \alpha^{10}, 1)
                                                                                   P_{2969} = (8, 8, 10, 1) = (\alpha^3, \alpha^3, \alpha^{10}, 1)
P_{2925} = (12, 5, 10, 1) = (\alpha^{14}, \alpha^9, \alpha^{10}, 1)
                                                                                   P_{2970} = (9, 8, 10, 1) = (\alpha^4, \alpha^3, \alpha^{10}, 1)
P_{2926} = (13, 5, 10, 1) = (\alpha^{11}, \alpha^9, \alpha^{10}, 1)
                                                                                   P_{2971} = (10, 8, 10, 1) = (\alpha^{10}, \alpha^3, \alpha^{10}, 1)
P_{2927} = (14, 5, 10, 1) = (\alpha^8, \alpha^9, \alpha^{10}, 1)
                                                                                   P_{2972} = (11, 8, 10, 1) = (\alpha^5, \alpha^3, \alpha^{10}, 1)
P_{2928} = (15, 5, 10, 1) = (\alpha^6, \alpha^9, \alpha^{10}, 1)
                                                                                   P_{2973} = (12, 8, 10, 1) = (\alpha^{14}, \alpha^3, \alpha^{10}, 1)
P_{2929} = (0, 6, 10, 1) = (0, \alpha^{13}, \alpha^{10}, 1)
                                                                                   P_{2974} = (13, 8, 10, 1) = (\alpha^{11}, \alpha^3, \alpha^{10}, 1)
P_{2930} = (1, 6, 10, 1) = (1, \alpha^{13}, \alpha^{10}, 1)
                                                                                   P_{2975} = (14, 8, 10, 1) = (\alpha^8, \alpha^3, \alpha^{10}, 1)
P_{2931} = (2, 6, 10, 1) = (\alpha, \alpha^{13}, \alpha^{10}, 1)
                                                                                   P_{2976} = (15, 8, 10, 1) = (\alpha^6, \alpha^3, \alpha^{10}, 1)
P_{2932} = (3, 6, 10, 1) = (\alpha^{12}, \alpha^{13}, \alpha^{10}, 1)
                                                                                   P_{2977} = (0, 9, 10, 1) = (0, \alpha^4, \alpha^{10}, 1)
P_{2933} = (4, 6, 10, 1) = (\alpha^2, \alpha^{13}, \alpha^{10}, 1)
                                                                                   P_{2978} = (1, 9, 10, 1) = (1, \alpha^4, \alpha^{10}, 1)
P_{2934} = (5, 6, 10, 1) = (\alpha^9, \alpha^{13}, \alpha^{10}, 1)
                                                                                   P_{2979} = (2, 9, 10, 1) = (\alpha, \alpha^4, \alpha^{10}, 1)
P_{2935} = (6, 6, 10, 1) = (\alpha^{13}, \alpha^{13}, \alpha^{10}, 1)
                                                                                   P_{2980} = (3, 9, 10, 1) = (\alpha^{12}, \alpha^4, \alpha^{10}, 1)
P_{2936} = (7, 6, 10, 1) = (\alpha^7, \alpha^{13}, \alpha^{10}, 1)
                                                                                   P_{2981} = (4, 9, 10, 1) = (\alpha^2, \alpha^4, \alpha^{10}, 1)
                                                                                   P_{2982} = (5, 9, 10, 1) = (\alpha^9, \alpha^4, \alpha^{10}, 1)
P_{2937} = (8, 6, 10, 1) = (\alpha^3, \alpha^{13}, \alpha^{10}, 1)
P_{2938} = (9, 6, 10, 1) = (\alpha^4, \alpha^{13}, \alpha^{10}, 1)
                                                                                   P_{2983} = (6, 9, 10, 1) = (\alpha^{13}, \alpha^4, \alpha^{10}, 1)
P_{2939} = (10, 6, 10, 1) = (\alpha^{10}, \alpha^{13}, \alpha^{10}, 1)
                                                                                   P_{2984} = (7, 9, 10, 1) = (\alpha^7, \alpha^4, \alpha^{10}, 1)
P_{2940} = (11, 6, 10, 1) = (\alpha^5, \alpha^{13}, \alpha^{10}, 1)
                                                                                   P_{2985} = (8, 9, 10, 1) = (\alpha^3, \alpha^4, \alpha^{10}, 1)
P_{2941} = (12, 6, 10, 1) = (\alpha^{14}, \alpha^{13}, \alpha^{10}, 1)
                                                                                   P_{2986} = (9, 9, 10, 1) = (\alpha^4, \alpha^4, \alpha^{10}, 1)
P_{2942} = (13, 6, 10, 1) = (\alpha^{11}, \alpha^{13}, \alpha^{10}, 1)
                                                                                   P_{2987} = (10, 9, 10, 1) = (\alpha^{10}, \alpha^4, \alpha^{10}, 1)
P_{2943} = (14, 6, 10, 1) = (\alpha^8, \alpha^{13}, \alpha^{10}, 1)
                                                                                   P_{2988} = (11, 9, 10, 1) = (\alpha^5, \alpha^4, \alpha^{10}, 1)
P_{2944} = (15, 6, 10, 1) = (\alpha^6, \alpha^{13}, \alpha^{10}, 1)
                                                                                   P_{2989} = (12, 9, 10, 1) = (\alpha^{14}, \alpha^4, \alpha^{10}, 1)
                                                                                   P_{2990} = (13, 9, 10, 1) = (\alpha^{11}, \alpha^4, \alpha^{10}, 1)
P_{2945} = (0, 7, 10, 1) = (0, \alpha^7, \alpha^{10}, 1)
                                                                                   P_{2991} = (14, 9, 10, 1) = (\alpha^8, \alpha^4, \alpha^{10}, 1)
P_{2946} = (1, 7, 10, 1) = (1, \alpha^7, \alpha^{10}, 1)
P_{2947} = (2, 7, 10, 1) = (\alpha, \alpha^7, \alpha^{10}, 1)
                                                                                   P_{2992} = (15, 9, 10, 1) = (\alpha^6, \alpha^4, \alpha^{10}, 1)
P_{2948} = (3, 7, 10, 1) = (\alpha^{12}, \alpha^7, \alpha^{10}, 1)
                                                                                   P_{2993} = (0, 10, 10, 1) = (0, \alpha^{10}, \alpha^{10}, 1)
P_{2949} = (4, 7, 10, 1) = (\alpha^2, \alpha^7, \alpha^{10}, 1)
                                                                                   P_{2994} = (1, 10, 10, 1) = (1, \alpha^{10}, \alpha^{10}, 1)
                                                                                   P_{2995} = (2, 10, 10, 1) = (\alpha, \alpha^{10}, \alpha^{10}, 1)
P_{2950} = (5, 7, 10, 1) = (\alpha^9, \alpha^7, \alpha^{10}, 1)
                                                                                   P_{2996} = (3, 10, 10, 1) = (\alpha^{12}, \alpha^{10}, \alpha^{10}, 1)
P_{2951} = (6, 7, 10, 1) = (\alpha^{13}, \alpha^7, \alpha^{10}, 1)
                                                                                   P_{2997} = (4, 10, 10, 1) = (\alpha^2, \alpha^{10}, \alpha^{10}, 1)
P_{2952} = (7, 7, 10, 1) = (\alpha^7, \alpha^7, \alpha^{10}, 1)
P_{2953} = (8, 7, 10, 1) = (\alpha^3, \alpha^7, \alpha^{10}, 1)
                                                                                   P_{2998} = (5, 10, 10, 1) = (\alpha^9, \alpha^{10}, \alpha^{10}, 1)
P_{2954} = (9, 7, 10, 1) = (\alpha^4, \alpha^7, \alpha^{10}, 1)
                                                                                   P_{2999} = (6, 10, 10, 1) = (\alpha^{13}, \alpha^{10}, \alpha^{10}, 1)
P_{2955} = (10, 7, 10, 1) = (\alpha^{10}, \alpha^7, \alpha^{10}, 1)
                                                                                   P_{3000} = (7, 10, 10, 1) = (\alpha^7, \alpha^{10}, \alpha^{10}, 1)
P_{2956} = (11, 7, 10, 1) = (\alpha^5, \alpha^7, \alpha^{10}, 1)
                                                                                   P_{3001} = (8, 10, 10, 1) = (\alpha^3, \alpha^{10}, \alpha^{10}, 1)
P_{2957} = (12, 7, 10, 1) = (\alpha^{14}, \alpha^7, \alpha^{10}, 1)
                                                                                   P_{3002} = (9, 10, 10, 1) = (\alpha^4, \alpha^{10}, \alpha^{10}, 1)
P_{2958} = (13, 7, 10, 1) = (\alpha^{11}, \alpha^7, \alpha^{10}, 1)
                                                                                   P_{3003} = (10, 10, 10, 1) = (\alpha^{10}, \alpha^{10}, \alpha^{10}, 1)
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P_{3004} = (11, 10, 10, 1) = (\alpha^5, \alpha^{10}, \alpha^{10}, 1)
                                                                                  P_{3049} = (8, 13, 10, 1) = (\alpha^3, \alpha^{11}, \alpha^{10}, 1)
                                                                                  P_{3050} = (9, 13, 10, 1) = (\alpha^4, \alpha^{11}, \alpha^{10}, 1)
P_{3005} = (12, 10, 10, 1) = (\alpha^{14}, \alpha^{10}, \alpha^{10}, 1)
P_{3006} = (13, 10, 10, 1) = (\alpha^{11}, \alpha^{10}, \alpha^{10}, 1)
                                                                                  P_{3051} = (10, 13, 10, 1) = (\alpha^{10}, \alpha^{11}, \alpha^{10}, 1)
P_{3007} = (14, 10, 10, 1) = (\alpha^8, \alpha^{10}, \alpha^{10}, 1)
                                                                                  P_{3052} = (11, 13, 10, 1) = (\alpha^5, \alpha^{11}, \alpha^{10}, 1)
                                                                                  P_{3053} = (12, 13, 10, 1) = (\alpha^{14}, \alpha^{11}, \alpha^{10}, 1)
P_{3008} = (15, 10, 10, 1) = (\alpha^6, \alpha^{10}, \alpha^{10}, 1)
                                                                                  P_{3054} = (13, 13, 10, 1) = (\alpha^{11}, \alpha^{11}, \alpha^{10}, 1)
P_{3009} = (0, 11, 10, 1) = (0, \alpha^5, \alpha^{10}, 1)
P_{3010} = (1, 11, 10, 1) = (1, \alpha^5, \alpha^{10}, 1)
                                                                                  P_{3055} = (14, 13, 10, 1) = (\alpha^8, \alpha^{11}, \alpha^{10}, 1)
P_{3011} = (2, 11, 10, 1) = (\alpha, \alpha^5, \alpha^{10}, 1)
                                                                                  P_{3056} = (15, 13, 10, 1) = (\alpha^6, \alpha^{11}, \alpha^{10}, 1)
P_{3012} = (3, 11, 10, 1) = (\alpha^{12}, \alpha^5, \alpha^{10}, 1)
                                                                                  P_{3057} = (0, 14, 10, 1) = (0, \alpha^8, \alpha^{10}, 1)
P_{3013} = (4, 11, 10, 1) = (\alpha^2, \alpha^5, \alpha^{10}, 1)
                                                                                  P_{3058} = (1, 14, 10, 1) = (1, \alpha^8, \alpha^{10}, 1)
P_{3014} = (5, 11, 10, 1) = (\alpha^9, \alpha^5, \alpha^{10}, 1)
                                                                                  P_{3059} = (2, 14, 10, 1) = (\alpha, \alpha^8, \alpha^{10}, 1)
P_{3015} = (6, 11, 10, 1) = (\alpha^{13}, \alpha^5, \alpha^{10}, 1)
                                                                                  P_{3060} = (3, 14, 10, 1) = (\alpha^{12}, \alpha^8, \alpha^{10}, 1)
                                                                                  P_{3061} = (4, 14, 10, 1) = (\alpha^2, \alpha^8, \alpha^{10}, 1)
P_{3016} = (7, 11, 10, 1) = (\alpha^7, \alpha^5, \alpha^{10}, 1)
P_{3017} = (8, 11, 10, 1) = (\alpha^3, \alpha^5, \alpha^{10}, 1)
                                                                                  P_{3062} = (5, 14, 10, 1) = (\alpha^9, \alpha^8, \alpha^{10}, 1)
P_{3018} = (9, 11, 10, 1) = (\alpha^4, \alpha^5, \alpha^{10}, 1)
                                                                                  P_{3063} = (6, 14, 10, 1) = (\alpha^{13}, \alpha^{8}, \alpha^{10}, 1)
P_{3019} = (10, 11, 10, 1) = (\alpha^{10}, \alpha^5, \alpha^{10}, 1)
                                                                                  P_{3064} = (7, 14, 10, 1) = (\alpha^7, \alpha^8, \alpha^{10}, 1)
P_{3020} = (11, 11, 10, 1) = (\alpha^5, \alpha^5, \alpha^{10}, 1)
                                                                                  P_{3065} = (8, 14, 10, 1) = (\alpha^3, \alpha^8, \alpha^{10}, 1)
P_{3021} = (12, 11, 10, 1) = (\alpha^{14}, \alpha^5, \alpha^{10}, 1)
                                                                                  P_{3066} = (9, 14, 10, 1) = (\alpha^4, \alpha^8, \alpha^{10}, 1)
P_{3022} = (13, 11, 10, 1) = (\alpha^{11}, \alpha^5, \alpha^{10}, 1)
                                                                                  P_{3067} = (10, 14, 10, 1) = (\alpha^{10}, \alpha^8, \alpha^{10}, 1)
P_{3023} = (14, 11, 10, 1) = (\alpha^8, \alpha^5, \alpha^{10}, 1)
                                                                                  P_{3068} = (11, 14, 10, 1) = (\alpha^5, \alpha^8, \alpha^{10}, 1)
P_{3024} = (15, 11, 10, 1) = (\alpha^6, \alpha^5, \alpha^{10}, 1)
                                                                                  P_{3069} = (12, 14, 10, 1) = (\alpha^{14}, \alpha^{8}, \alpha^{10}, 1)
                                                                                  P_{3070} = (13, 14, 10, 1) = (\alpha^{11}, \alpha^8, \alpha^{10}, 1)
P_{3025} = (0, 12, 10, 1) = (0, \alpha^{14}, \alpha^{10}, 1)
P_{3026} = (1, 12, 10, 1) = (1, \alpha^{14}, \alpha^{10}, 1)
                                                                                  P_{3071} = (14, 14, 10, 1) = (\alpha^8, \alpha^8, \alpha^{10}, 1)
P_{3027} = (2, 12, 10, 1) = (\alpha, \alpha^{14}, \alpha^{10}, 1)
                                                                                  P_{3072} = (15, 14, 10, 1) = (\alpha^6, \alpha^8, \alpha^{10}, 1)
P_{3028} = (3, 12, 10, 1) = (\alpha^{12}, \alpha^{14}, \alpha^{10}, 1)
                                                                                  P_{3073} = (0, 15, 10, 1) = (0, \alpha^6, \alpha^{10}, 1)
P_{3029} = (4, 12, 10, 1) = (\alpha^2, \alpha^{14}, \alpha^{10}, 1)
                                                                                  P_{3074} = (1, 15, 10, 1) = (1, \alpha^6, \alpha^{10}, 1)
P_{3030} = (5, 12, 10, 1) = (\alpha^9, \alpha^{14}, \alpha^{10}, 1)
                                                                                  P_{3075} = (2, 15, 10, 1) = (\alpha, \alpha^6, \alpha^{10}, 1)
                                                                                  P_{3076} = (3, 15, 10, 1) = (\alpha^{12}, \alpha^6, \alpha^{10}, 1)
P_{3031} = (6, 12, 10, 1) = (\alpha^{13}, \alpha^{14}, \alpha^{10}, 1)
P_{3032} = (7, 12, 10, 1) = (\alpha^7, \alpha^{14}, \alpha^{10}, 1)
                                                                                  P_{3077} = (4, 15, 10, 1) = (\alpha^2, \alpha^6, \alpha^{10}, 1)
P_{3033} = (8, 12, 10, 1) = (\alpha^3, \alpha^{14}, \alpha^{10}, 1)
                                                                                  P_{3078} = (5, 15, 10, 1) = (\alpha^9, \alpha^6, \alpha^{10}, 1)
P_{3034} = (9, 12, 10, 1) = (\alpha^4, \alpha^{14}, \alpha^{10}, 1)
                                                                                  P_{3079} = (6, 15, 10, 1) = (\alpha^{13}, \alpha^6, \alpha^{10}, 1)
P_{3035} = (10, 12, 10, 1) = (\alpha^{10}, \alpha^{14}, \alpha^{10}, 1)
                                                                                  P_{3080} = (7, 15, 10, 1) = (\alpha^7, \alpha^6, \alpha^{10}, 1)
P_{3036} = (11, 12, 10, 1) = (\alpha^5, \alpha^{14}, \alpha^{10}, 1)
                                                                                  P_{3081} = (8, 15, 10, 1) = (\alpha^3, \alpha^6, \alpha^{10}, 1)
P_{3037} = (12, 12, 10, 1) = (\alpha^{14}, \alpha^{14}, \alpha^{10}, 1)
                                                                                  P_{3082} = (9, 15, 10, 1) = (\alpha^4, \alpha^6, \alpha^{10}, 1)
P_{3038} = (13, 12, 10, 1) = (\alpha^{11}, \alpha^{14}, \alpha^{10}, 1)
                                                                                  P_{3083} = (10, 15, 10, 1) = (\alpha^{10}, \alpha^{6}, \alpha^{10}, 1)
P_{3039} = (14, 12, 10, 1) = (\alpha^8, \alpha^{14}, \alpha^{10}, 1)
                                                                                  P_{3084} = (11, 15, 10, 1) = (\alpha^5, \alpha^6, \alpha^{10}, 1)
P_{3040} = (15, 12, 10, 1) = (\alpha^6, \alpha^{14}, \alpha^{10}, 1)
                                                                                  P_{3085} = (12, 15, 10, 1) = (\alpha^{14}, \alpha^{6}, \alpha^{10}, 1)
P_{3041} = (0, 13, 10, 1) = (0, \alpha^{11}, \alpha^{10}, 1)
                                                                                  P_{3086} = (13, 15, 10, 1) = (\alpha^{11}, \alpha^6, \alpha^{10}, 1)
P_{3042} = (1, 13, 10, 1) = (1, \alpha^{11}, \alpha^{10}, 1)
                                                                                  P_{3087} = (14, 15, 10, 1) = (\alpha^8, \alpha^6, \alpha^{10}, 1)
P_{3043} = (2, 13, 10, 1) = (\alpha, \alpha^{11}, \alpha^{10}, 1)
                                                                                  P_{3088} = (15, 15, 10, 1) = (\alpha^6, \alpha^6, \alpha^{10}, 1)
P_{3044} = (3, 13, 10, 1) = (\alpha^{12}, \alpha^{11}, \alpha^{10}, 1)
                                                                                  P_{3089} = (0, 0, 11, 1) = (0, 0, \alpha^5, 1)
P_{3045} = (4, 13, 10, 1) = (\alpha^2, \alpha^{11}, \alpha^{10}, 1)
                                                                                  P_{3090} = (1, 0, 11, 1) = (1, 0, \alpha^5, 1)
P_{3046} = (5, 13, 10, 1) = (\alpha^9, \alpha^{11}, \alpha^{10}, 1)
                                                                                  P_{3091} = (2, 0, 11, 1) = (\alpha, 0, \alpha^5, 1)
P_{3047} = (6, 13, 10, 1) = (\alpha^{13}, \alpha^{11}, \alpha^{10}, 1)
                                                                                  P_{3092} = (3, 0, 11, 1) = (\alpha^{12}, 0, \alpha^5, 1)
P_{3048} = (7, 13, 10, 1) = (\alpha^7, \alpha^{11}, \alpha^{10}, 1)
                                                                                  P_{3093} = (4, 0, 11, 1) = (\alpha^2, 0, \alpha^5, 1)
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P_{3094} = (5, 0, 11, 1) = (\alpha^9, 0, \alpha^5, 1)
                                                                               P_{3139} = (2, 3, 11, 1) = (\alpha, \alpha^{12}, \alpha^{5}, 1)
                                                                               P_{3140} = (3, 3, 11, 1) = (\alpha^{12}, \alpha^{12}, \alpha^5, 1)
P_{3095} = (6, 0, 11, 1) = (\alpha^{13}, 0, \alpha^{5}, 1)
P_{3096} = (7, 0, 11, 1) = (\alpha^7, 0, \alpha^5, 1)
                                                                               P_{3141} = (4, 3, 11, 1) = (\alpha^2, \alpha^{12}, \alpha^5, 1)
                                                                               P_{3142} = (5, 3, 11, 1) = (\alpha^9, \alpha^{12}, \alpha^5, 1)
P_{3097} = (8, 0, 11, 1) = (\alpha^3, 0, \alpha^5, 1)
                                                                               P_{3143} = (6, 3, 11, 1) = (\alpha^{13}, \alpha^{12}, \alpha^{5}, 1)
P_{3098} = (9, 0, 11, 1) = (\alpha^4, 0, \alpha^5, 1)
                                                                               P_{3144} = (7, 3, 11, 1) = (\alpha^7, \alpha^{12}, \alpha^5, 1)
P_{3099} = (10, 0, 11, 1) = (\alpha^{10}, 0, \alpha^{5}, 1)
                                                                               P_{3145} = (8, 3, 11, 1) = (\alpha^3, \alpha^{12}, \alpha^5, 1)
P_{3100} = (11, 0, 11, 1) = (\alpha^5, 0, \alpha^5, 1)
                                                                               P_{3146} = (9, 3, 11, 1) = (\alpha^4, \alpha^{12}, \alpha^5, 1)
P_{3101} = (12, 0, 11, 1) = (\alpha^{14}, 0, \alpha^{5}, 1)
                                                                               P_{3147} = (10, 3, 11, 1) = (\alpha^{10}, \alpha^{12}, \alpha^{5}, 1)
P_{3102} = (13, 0, 11, 1) = (\alpha^{11}, 0, \alpha^5, 1)
                                                                               P_{3148} = (11, 3, 11, 1) = (\alpha^5, \alpha^{12}, \alpha^5, 1)
P_{3103} = (14, 0, 11, 1) = (\alpha^8, 0, \alpha^5, 1)
P_{3104} = (15, 0, 11, 1) = (\alpha^6, 0, \alpha^5, 1)
                                                                               P_{3149} = (12, 3, 11, 1) = (\alpha^{14}, \alpha^{12}, \alpha^{5}, 1)
                                                                               P_{3150} = (13, 3, 11, 1) = (\alpha^{11}, \alpha^{12}, \alpha^5, 1)
P_{3105} = (0, 1, 11, 1) = (0, 1, \alpha^5, 1)
                                                                               P_{3151} = (14, 3, 11, 1) = (\alpha^8, \alpha^{12}, \alpha^5, 1)
P_{3106} = (1, 1, 11, 1) = (1, 1, \alpha^5, 1)
P_{3107} = (2, 1, 11, 1) = (\alpha, 1, \alpha^5, 1)
                                                                               P_{3152} = (15, 3, 11, 1) = (\alpha^6, \alpha^{12}, \alpha^5, 1)
P_{3108} = (3, 1, 11, 1) = (\alpha^{12}, 1, \alpha^5, 1)
                                                                               P_{3153} = (0, 4, 11, 1) = (0, \alpha^2, \alpha^5, 1)
P_{3109} = (4, 1, 11, 1) = (\alpha^2, 1, \alpha^5, 1)
                                                                               P_{3154} = (1, 4, 11, 1) = (1, \alpha^2, \alpha^5, 1)
                                                                               P_{3155} = (2, 4, 11, 1) = (\alpha, \alpha^2, \alpha^5, 1)
P_{3110} = (5, 1, 11, 1) = (\alpha^9, 1, \alpha^5, 1)
P_{3111} = (6, 1, 11, 1) = (\alpha^{13}, 1, \alpha^{5}, 1)
                                                                               P_{3156} = (3, 4, 11, 1) = (\alpha^{12}, \alpha^2, \alpha^5, 1)
                                                                               P_{3157} = (4, 4, 11, 1) = (\alpha^2, \alpha^2, \alpha^5, 1)
P_{3112} = (7, 1, 11, 1) = (\alpha^7, 1, \alpha^5, 1)
P_{3113} = (8, 1, 11, 1) = (\alpha^3, 1, \alpha^5, 1)
                                                                               P_{3158} = (5, 4, 11, 1) = (\alpha^9, \alpha^2, \alpha^5, 1)
P_{3114} = (9, 1, 11, 1) = (\alpha^4, 1, \alpha^5, 1)
                                                                               P_{3159} = (6, 4, 11, 1) = (\alpha^{13}, \alpha^2, \alpha^5, 1)
P_{3115} = (10, 1, 11, 1) = (\alpha^{10}, 1, \alpha^{5}, 1)
                                                                               P_{3160} = (7, 4, 11, 1) = (\alpha^7, \alpha^2, \alpha^5, 1)
P_{3116} = (11, 1, 11, 1) = (\alpha^5, 1, \alpha^5, 1)
                                                                               P_{3161} = (8, 4, 11, 1) = (\alpha^3, \alpha^2, \alpha^5, 1)
P_{3117} = (12, 1, 11, 1) = (\alpha^{14}, 1, \alpha^{5}, 1)
                                                                               P_{3162} = (9, 4, 11, 1) = (\alpha^4, \alpha^2, \alpha^5, 1)
                                                                               P_{3163} = (10, 4, 11, 1) = (\alpha^{10}, \alpha^2, \alpha^5, 1)
P_{3118} = (13, 1, 11, 1) = (\alpha^{11}, 1, \alpha^5, 1)
P_{3119} = (14, 1, 11, 1) = (\alpha^8, 1, \alpha^5, 1)
                                                                               P_{3164} = (11, 4, 11, 1) = (\alpha^5, \alpha^2, \alpha^5, 1)
                                                                               P_{3165} = (12, 4, 11, 1) = (\alpha^{14}, \alpha^2, \alpha^5, 1)
P_{3120} = (15, 1, 11, 1) = (\alpha^6, 1, \alpha^5, 1)
                                                                               P_{3166} = (13, 4, 11, 1) = (\alpha^{11}, \alpha^2, \alpha^5, 1)
P_{3121} = (0, 2, 11, 1) = (0, \alpha, \alpha^5, 1)
P_{3122} = (1, 2, 11, 1) = (1, \alpha, \alpha^5, 1)
                                                                               P_{3167} = (14, 4, 11, 1) = (\alpha^8, \alpha^2, \alpha^5, 1)
                                                                               P_{3168} = (15, 4, 11, 1) = (\alpha^6, \alpha^2, \alpha^5, 1)
P_{3123} = (2, 2, 11, 1) = (\alpha, \alpha, \alpha^5, 1)
P_{3124} = (3, 2, 11, 1) = (\alpha^{12}, \alpha, \alpha^5, 1)
                                                                               P_{3169} = (0, 5, 11, 1) = (0, \alpha^9, \alpha^5, 1)
P_{3125} = (4, 2, 11, 1) = (\alpha^2, \alpha, \alpha^5, 1)
                                                                               P_{3170} = (1, 5, 11, 1) = (1, \alpha^9, \alpha^5, 1)
                                                                               P_{3171} = (2, 5, 11, 1) = (\alpha, \alpha^9, \alpha^5, 1)
P_{3126} = (5, 2, 11, 1) = (\alpha^9, \alpha, \alpha^5, 1)
                                                                               P_{3172} = (3, 5, 11, 1) = (\alpha^{12}, \alpha^9, \alpha^5, 1)
P_{3127} = (6, 2, 11, 1) = (\alpha^{13}, \alpha, \alpha^5, 1)
P_{3128} = (7, 2, 11, 1) = (\alpha^7, \alpha, \alpha^5, 1)
                                                                               P_{3173} = (4, 5, 11, 1) = (\alpha^2, \alpha^9, \alpha^5, 1)
P_{3129} = (8, 2, 11, 1) = (\alpha^3, \alpha, \alpha^5, 1)
                                                                               P_{3174} = (5, 5, 11, 1) = (\alpha^9, \alpha^9, \alpha^5, 1)
                                                                               P_{3175} = (6, 5, 11, 1) = (\alpha^{13}, \alpha^9, \alpha^5, 1)
P_{3130} = (9, 2, 11, 1) = (\alpha^4, \alpha, \alpha^5, 1)
P_{3131} = (10, 2, 11, 1) = (\alpha^{10}, \alpha, \alpha^5, 1)
                                                                               P_{3176} = (7, 5, 11, 1) = (\alpha^7, \alpha^9, \alpha^5, 1)
P_{3132} = (11, 2, 11, 1) = (\alpha^5, \alpha, \alpha^5, 1)
                                                                               P_{3177} = (8, 5, 11, 1) = (\alpha^3, \alpha^9, \alpha^5, 1)
P_{3133} = (12, 2, 11, 1) = (\alpha^{14}, \alpha, \alpha^5, 1)
                                                                               P_{3178} = (9, 5, 11, 1) = (\alpha^4, \alpha^9, \alpha^5, 1)
                                                                               P_{3179} = (10, 5, 11, 1) = (\alpha^{10}, \alpha^9, \alpha^5, 1)
P_{3134} = (13, 2, 11, 1) = (\alpha^{11}, \alpha, \alpha^5, 1)
                                                                               P_{3180} = (11, 5, 11, 1) = (\alpha^5, \alpha^9, \alpha^5, 1)
P_{3135} = (14, 2, 11, 1) = (\alpha^8, \alpha, \alpha^5, 1)
                                                                               P_{3181} = (12, 5, 11, 1) = (\alpha^{14}, \alpha^9, \alpha^5, 1)
P_{3136} = (15, 2, 11, 1) = (\alpha^6, \alpha, \alpha^5, 1)
P_{3137} = (0, 3, 11, 1) = (0, \alpha^{12}, \alpha^5, 1)
                                                                               P_{3182} = (13, 5, 11, 1) = (\alpha^{11}, \alpha^9, \alpha^5, 1)
P_{3138} = (1, 3, 11, 1) = (1, \alpha^{12}, \alpha^{5}, 1)
                                                                               P_{3183} = (14, 5, 11, 1) = (\alpha^8, \alpha^9, \alpha^5, 1)
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P_{3184} = (15, 5, 11, 1) = (\alpha^6, \alpha^9, \alpha^5, 1)
                                                                                 P_{3229} = (12, 8, 11, 1) = (\alpha^{14}, \alpha^3, \alpha^5, 1)
P_{3185} = (0, 6, 11, 1) = (0, \alpha^{13}, \alpha^5, 1)
                                                                                  P_{3230} = (13, 8, 11, 1) = (\alpha^{11}, \alpha^3, \alpha^5, 1)
P_{3186} = (1, 6, 11, 1) = (1, \alpha^{13}, \alpha^{5}, 1)
                                                                                 P_{3231} = (14, 8, 11, 1) = (\alpha^8, \alpha^3, \alpha^5, 1)
P_{3187} = (2, 6, 11, 1) = (\alpha, \alpha^{13}, \alpha^{5}, 1)
                                                                                 P_{3232} = (15, 8, 11, 1) = (\alpha^6, \alpha^3, \alpha^5, 1)
P_{3188} = (3, 6, 11, 1) = (\alpha^{12}, \alpha^{13}, \alpha^{5}, 1)
                                                                                 P_{3233} = (0, 9, 11, 1) = (0, \alpha^4, \alpha^5, 1)
P_{3189} = (4, 6, 11, 1) = (\alpha^2, \alpha^{13}, \alpha^5, 1)
                                                                                 P_{3234} = (1, 9, 11, 1) = (1, \alpha^4, \alpha^5, 1)
P_{3190} = (5, 6, 11, 1) = (\alpha^9, \alpha^{13}, \alpha^5, 1)
                                                                                 P_{3235} = (2, 9, 11, 1) = (\alpha, \alpha^4, \alpha^5, 1)
P_{3191} = (6, 6, 11, 1) = (\alpha^{13}, \alpha^{13}, \alpha^{5}, 1)
                                                                                 P_{3236} = (3, 9, 11, 1) = (\alpha^{12}, \alpha^4, \alpha^5, 1)
P_{3192} = (7, 6, 11, 1) = (\alpha^7, \alpha^{13}, \alpha^5, 1)
                                                                                 P_{3237} = (4, 9, 11, 1) = (\alpha^2, \alpha^4, \alpha^5, 1)
P_{3193} = (8, 6, 11, 1) = (\alpha^3, \alpha^{13}, \alpha^5, 1)
                                                                                 P_{3238} = (5, 9, 11, 1) = (\alpha^9, \alpha^4, \alpha^5, 1)
P_{3194} = (9, 6, 11, 1) = (\alpha^4, \alpha^{13}, \alpha^5, 1)
                                                                                 P_{3239} = (6, 9, 11, 1) = (\alpha^{13}, \alpha^4, \alpha^5, 1)
P_{3195} = (10, 6, 11, 1) = (\alpha^{10}, \alpha^{13}, \alpha^{5}, 1)
                                                                                 P_{3240} = (7, 9, 11, 1) = (\alpha^7, \alpha^4, \alpha^5, 1)
P_{3196} = (11, 6, 11, 1) = (\alpha^5, \alpha^{13}, \alpha^5, 1)
                                                                                 P_{3241} = (8, 9, 11, 1) = (\alpha^3, \alpha^4, \alpha^5, 1)
                                                                                 P_{3242} = (9, 9, 11, 1) = (\alpha^4, \alpha^4, \alpha^5, 1)
P_{3197} = (12, 6, 11, 1) = (\alpha^{14}, \alpha^{13}, \alpha^{5}, 1)
P_{3198} = (13, 6, 11, 1) = (\alpha^{11}, \alpha^{13}, \alpha^{5}, 1)
                                                                                 P_{3243} = (10, 9, 11, 1) = (\alpha^{10}, \alpha^4, \alpha^5, 1)
P_{3199} = (14, 6, 11, 1) = (\alpha^8, \alpha^{13}, \alpha^5, 1)
                                                                                 P_{3244} = (11, 9, 11, 1) = (\alpha^5, \alpha^4, \alpha^5, 1)
                                                                                 P_{3245} = (12, 9, 11, 1) = (\alpha^{14}, \alpha^4, \alpha^5, 1)
P_{3200} = (15, 6, 11, 1) = (\alpha^6, \alpha^{13}, \alpha^5, 1)
                                                                                 P_{3246} = (13, 9, 11, 1) = (\alpha^{11}, \alpha^4, \alpha^5, 1)
P_{3201} = (0, 7, 11, 1) = (0, \alpha^7, \alpha^5, 1)
P_{3202} = (1, 7, 11, 1) = (1, \alpha^7, \alpha^5, 1)
                                                                                 P_{3247} = (14, 9, 11, 1) = (\alpha^8, \alpha^4, \alpha^5, 1)
P_{3203} = (2, 7, 11, 1) = (\alpha, \alpha^7, \alpha^5, 1)
                                                                                 P_{3248} = (15, 9, 11, 1) = (\alpha^6, \alpha^4, \alpha^5, 1)
P_{3204} = (3, 7, 11, 1) = (\alpha^{12}, \alpha^7, \alpha^5, 1)
                                                                                 P_{3249} = (0, 10, 11, 1) = (0, \alpha^{10}, \alpha^5, 1)
P_{3205} = (4, 7, 11, 1) = (\alpha^2, \alpha^7, \alpha^5, 1)
                                                                                 P_{3250} = (1, 10, 11, 1) = (1, \alpha^{10}, \alpha^5, 1)
                                                                                 P_{3251} = (2, 10, 11, 1) = (\alpha, \alpha^{10}, \alpha^5, 1)
P_{3206} = (5, 7, 11, 1) = (\alpha^9, \alpha^7, \alpha^5, 1)
                                                                                 P_{3252} = (3, 10, 11, 1) = (\alpha^{12}, \alpha^{10}, \alpha^5, 1)
P_{3207} = (6, 7, 11, 1) = (\alpha^{13}, \alpha^7, \alpha^5, 1)
P_{3208} = (7, 7, 11, 1) = (\alpha^7, \alpha^7, \alpha^5, 1)
                                                                                 P_{3253} = (4, 10, 11, 1) = (\alpha^2, \alpha^{10}, \alpha^5, 1)
                                                                                 P_{3254} = (5, 10, 11, 1) = (\alpha^9, \alpha^{10}, \alpha^5, 1)
P_{3209} = (8, 7, 11, 1) = (\alpha^3, \alpha^7, \alpha^5, 1)
P_{3210} = (9, 7, 11, 1) = (\alpha^4, \alpha^7, \alpha^5, 1)
                                                                                 P_{3255} = (6, 10, 11, 1) = (\alpha^{13}, \alpha^{10}, \alpha^{5}, 1)
P_{3211} = (10, 7, 11, 1) = (\alpha^{10}, \alpha^7, \alpha^5, 1)
                                                                                 P_{3256} = (7, 10, 11, 1) = (\alpha^7, \alpha^{10}, \alpha^5, 1)
P_{3212} = (11, 7, 11, 1) = (\alpha^5, \alpha^7, \alpha^5, 1)
                                                                                 P_{3257} = (8, 10, 11, 1) = (\alpha^3, \alpha^{10}, \alpha^5, 1)
                                                                                 P_{3258} = (9, 10, 11, 1) = (\alpha^4, \alpha^{10}, \alpha^5, 1)
P_{3213} = (12, 7, 11, 1) = (\alpha^{14}, \alpha^7, \alpha^5, 1)
P_{3214} = (13, 7, 11, 1) = (\alpha^{11}, \alpha^7, \alpha^5, 1)
                                                                                 P_{3259} = (10, 10, 11, 1) = (\alpha^{10}, \alpha^{10}, \alpha^5, 1)
                                                                                 P_{3260} = (11, 10, 11, 1) = (\alpha^5, \alpha^{10}, \alpha^5, 1)
P_{3215} = (14, 7, 11, 1) = (\alpha^8, \alpha^7, \alpha^5, 1)
P_{3216} = (15, 7, 11, 1) = (\alpha^6, \alpha^7, \alpha^5, 1)
                                                                                 P_{3261} = (12, 10, 11, 1) = (\alpha^{14}, \alpha^{10}, \alpha^5, 1)
                                                                                 P_{3262} = (13, 10, 11, 1) = (\alpha^{11}, \alpha^{10}, \alpha^5, 1)
P_{3217} = (0, 8, 11, 1) = (0, \alpha^3, \alpha^5, 1)
P_{3218} = (1, 8, 11, 1) = (1, \alpha^3, \alpha^5, 1)
                                                                                 P_{3263} = (14, 10, 11, 1) = (\alpha^8, \alpha^{10}, \alpha^5, 1)
P_{3219} = (2, 8, 11, 1) = (\alpha, \alpha^3, \alpha^5, 1)
                                                                                 P_{3264} = (15, 10, 11, 1) = (\alpha^6, \alpha^{10}, \alpha^5, 1)
P_{3220} = (3, 8, 11, 1) = (\alpha^{12}, \alpha^3, \alpha^5, 1)
                                                                                 P_{3265} = (0, 11, 11, 1) = (0, \alpha^5, \alpha^5, 1)
P_{3221} = (4, 8, 11, 1) = (\alpha^2, \alpha^3, \alpha^5, 1)
                                                                                 P_{3266} = (1, 11, 11, 1) = (1, \alpha^5, \alpha^5, 1)
P_{3222} = (5, 8, 11, 1) = (\alpha^9, \alpha^3, \alpha^5, 1)
                                                                                 P_{3267} = (2, 11, 11, 1) = (\alpha, \alpha^5, \alpha^5, 1)
P_{3223} = (6, 8, 11, 1) = (\alpha^{13}, \alpha^3, \alpha^5, 1)
                                                                                 P_{3268} = (3, 11, 11, 1) = (\alpha^{12}, \alpha^5, \alpha^5, 1)
                                                                                 P_{3269} = (4, 11, 11, 1) = (\alpha^2, \alpha^5, \alpha^5, 1)
P_{3224} = (7, 8, 11, 1) = (\alpha^7, \alpha^3, \alpha^5, 1)
P_{3225} = (8, 8, 11, 1) = (\alpha^3, \alpha^3, \alpha^5, 1)
                                                                                 P_{3270} = (5, 11, 11, 1) = (\alpha^9, \alpha^5, \alpha^5, 1)
P_{3226} = (9, 8, 11, 1) = (\alpha^4, \alpha^3, \alpha^5, 1)
                                                                                 P_{3271} = (6, 11, 11, 1) = (\alpha^{13}, \alpha^5, \alpha^5, 1)
P_{3227} = (10, 8, 11, 1) = (\alpha^{10}, \alpha^3, \alpha^5, 1)
                                                                                 P_{3272} = (7, 11, 11, 1) = (\alpha^7, \alpha^5, \alpha^5, 1)
P_{3228} = (11, 8, 11, 1) = (\alpha^5, \alpha^3, \alpha^5, 1)
                                                                                 P_{3273} = (8, 11, 11, 1) = (\alpha^3, \alpha^5, \alpha^5, 1)
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P_{3274} = (9, 11, 11, 1) = (\alpha^4, \alpha^5, \alpha^5, 1)
                                                                                P_{3319} = (6, 14, 11, 1) = (\alpha^{13}, \alpha^8, \alpha^5, 1)
P_{3275} = (10, 11, 11, 1) = (\alpha^{10}, \alpha^5, \alpha^5, 1)
                                                                                P_{3320} = (7, 14, 11, 1) = (\alpha^7, \alpha^8, \alpha^5, 1)
P_{3276} = (11, 11, 11, 1) = (\alpha^5, \alpha^5, \alpha^5, 1)
                                                                                P_{3321} = (8, 14, 11, 1) = (\alpha^3, \alpha^8, \alpha^5, 1)
P_{3277} = (12, 11, 11, 1) = (\alpha^{14}, \alpha^5, \alpha^5, 1)
                                                                                P_{3322} = (9, 14, 11, 1) = (\alpha^4, \alpha^8, \alpha^5, 1)
P_{3278} = (13, 11, 11, 1) = (\alpha^{11}, \alpha^5, \alpha^5, 1)
                                                                                P_{3323} = (10, 14, 11, 1) = (\alpha^{10}, \alpha^8, \alpha^5, 1)
P_{3279} = (14, 11, 11, 1) = (\alpha^8, \alpha^5, \alpha^5, 1)
                                                                                P_{3324} = (11, 14, 11, 1) = (\alpha^5, \alpha^8, \alpha^5, 1)
P_{3280} = (15, 11, 11, 1) = (\alpha^6, \alpha^5, \alpha^5, 1)
                                                                                P_{3325} = (12, 14, 11, 1) = (\alpha^{14}, \alpha^8, \alpha^5, 1)
P_{3281} = (0, 12, 11, 1) = (0, \alpha^{14}, \alpha^5, 1)
                                                                               P_{3326} = (13, 14, 11, 1) = (\alpha^{11}, \alpha^8, \alpha^5, 1)
P_{3282} = (1, 12, 11, 1) = (1, \alpha^{14}, \alpha^5, 1)
                                                                                P_{3327} = (14, 14, 11, 1) = (\alpha^8, \alpha^8, \alpha^5, 1)
P_{3283} = (2, 12, 11, 1) = (\alpha, \alpha^{14}, \alpha^5, 1)
                                                                                P_{3328} = (15, 14, 11, 1) = (\alpha^6, \alpha^8, \alpha^5, 1)
P_{3284} = (3, 12, 11, 1) = (\alpha^{12}, \alpha^{14}, \alpha^{5}, 1)
                                                                                P_{3329} = (0, 15, 11, 1) = (0, \alpha^6, \alpha^5, 1)
P_{3285} = (4, 12, 11, 1) = (\alpha^2, \alpha^{14}, \alpha^5, 1)
                                                                                P_{3330} = (1, 15, 11, 1) = (1, \alpha^6, \alpha^5, 1)
P_{3286} = (5, 12, 11, 1) = (\alpha^9, \alpha^{14}, \alpha^5, 1)
                                                                                P_{3331} = (2, 15, 11, 1) = (\alpha, \alpha^6, \alpha^5, 1)
P_{3287} = (6, 12, 11, 1) = (\alpha^{13}, \alpha^{14}, \alpha^{5}, 1)
                                                                                P_{3332} = (3, 15, 11, 1) = (\alpha^{12}, \alpha^6, \alpha^5, 1)
P_{3288} = (7, 12, 11, 1) = (\alpha^7, \alpha^{14}, \alpha^5, 1)
                                                                                P_{3333} = (4, 15, 11, 1) = (\alpha^2, \alpha^6, \alpha^5, 1)
P_{3289} = (8, 12, 11, 1) = (\alpha^3, \alpha^{14}, \alpha^5, 1)
                                                                                P_{3334} = (5, 15, 11, 1) = (\alpha^9, \alpha^6, \alpha^5, 1)
                                                                               P_{3335} = (6, 15, 11, 1) = (\alpha^{13}, \alpha^6, \alpha^5, 1)
P_{3290} = (9, 12, 11, 1) = (\alpha^4, \alpha^{14}, \alpha^5, 1)
P_{3291} = (10, 12, 11, 1) = (\alpha^{10}, \alpha^{14}, \alpha^{5}, 1)
                                                                                P_{3336} = (7, 15, 11, 1) = (\alpha^7, \alpha^6, \alpha^5, 1)
P_{3292} = (11, 12, 11, 1) = (\alpha^5, \alpha^{14}, \alpha^5, 1)
                                                                                P_{3337} = (8, 15, 11, 1) = (\alpha^3, \alpha^6, \alpha^5, 1)
P_{3293} = (12, 12, 11, 1) = (\alpha^{14}, \alpha^{14}, \alpha^{5}, 1)
                                                                                P_{3338} = (9, 15, 11, 1) = (\alpha^4, \alpha^6, \alpha^5, 1)
P_{3294} = (13, 12, 11, 1) = (\alpha^{11}, \alpha^{14}, \alpha^{5}, 1)
                                                                                P_{3339} = (10, 15, 11, 1) = (\alpha^{10}, \alpha^6, \alpha^5, 1)
P_{3295} = (14, 12, 11, 1) = (\alpha^8, \alpha^{14}, \alpha^5, 1)
                                                                                P_{3340} = (11, 15, 11, 1) = (\alpha^5, \alpha^6, \alpha^5, 1)
P_{3296} = (15, 12, 11, 1) = (\alpha^6, \alpha^{14}, \alpha^5, 1)
                                                                                P_{3341} = (12, 15, 11, 1) = (\alpha^{14}, \alpha^6, \alpha^5, 1)
P_{3297} = (0, 13, 11, 1) = (0, \alpha^{11}, \alpha^5, 1)
                                                                               P_{3342} = (13, 15, 11, 1) = (\alpha^{11}, \alpha^6, \alpha^5, 1)
P_{3298} = (1, 13, 11, 1) = (1, \alpha^{11}, \alpha^5, 1)
                                                                                P_{3343} = (14, 15, 11, 1) = (\alpha^8, \alpha^6, \alpha^5, 1)
P_{3299} = (2, 13, 11, 1) = (\alpha, \alpha^{11}, \alpha^5, 1)
                                                                                P_{3344} = (15, 15, 11, 1) = (\alpha^6, \alpha^6, \alpha^5, 1)
P_{3300} = (3, 13, 11, 1) = (\alpha^{12}, \alpha^{11}, \alpha^{5}, 1)
                                                                                P_{3345} = (0, 0, 12, 1) = (0, 0, \alpha^{14}, 1)
P_{3301} = (4, 13, 11, 1) = (\alpha^2, \alpha^{11}, \alpha^5, 1)
                                                                                P_{3346} = (1, 0, 12, 1) = (1, 0, \alpha^{14}, 1)
P_{3302} = (5, 13, 11, 1) = (\alpha^9, \alpha^{11}, \alpha^5, 1)
                                                                                P_{3347} = (2, 0, 12, 1) = (\alpha, 0, \alpha^{14}, 1)
P_{3303} = (6, 13, 11, 1) = (\alpha^{13}, \alpha^{11}, \alpha^{5}, 1)
                                                                                P_{3348} = (3, 0, 12, 1) = (\alpha^{12}, 0, \alpha^{14}, 1)
P_{3304} = (7, 13, 11, 1) = (\alpha^7, \alpha^{11}, \alpha^5, 1)
                                                                                P_{3349} = (4, 0, 12, 1) = (\alpha^2, 0, \alpha^{14}, 1)
P_{3305} = (8, 13, 11, 1) = (\alpha^3, \alpha^{11}, \alpha^5, 1)
                                                                                P_{3350} = (5, 0, 12, 1) = (\alpha^9, 0, \alpha^{14}, 1)
P_{3306} = (9, 13, 11, 1) = (\alpha^4, \alpha^{11}, \alpha^5, 1)
                                                                                P_{3351} = (6, 0, 12, 1) = (\alpha^{13}, 0, \alpha^{14}, 1)
P_{3307} = (10, 13, 11, 1) = (\alpha^{10}, \alpha^{11}, \alpha^{5}, 1)
                                                                                P_{3352} = (7, 0, 12, 1) = (\alpha^7, 0, \alpha^{14}, 1)
P_{3308} = (11, 13, 11, 1) = (\alpha^5, \alpha^{11}, \alpha^5, 1)
                                                                                P_{3353} = (8, 0, 12, 1) = (\alpha^3, 0, \alpha^{14}, 1)
P_{3309} = (12, 13, 11, 1) = (\alpha^{14}, \alpha^{11}, \alpha^{5}, 1)
                                                                                P_{3354} = (9, 0, 12, 1) = (\alpha^4, 0, \alpha^{14}, 1)
P_{3310} = (13, 13, 11, 1) = (\alpha^{11}, \alpha^{11}, \alpha^5, 1)
                                                                                P_{3355} = (10, 0, 12, 1) = (\alpha^{10}, 0, \alpha^{14}, 1)
P_{3311} = (14, 13, 11, 1) = (\alpha^8, \alpha^{11}, \alpha^5, 1)
                                                                                P_{3356} = (11, 0, 12, 1) = (\alpha^5, 0, \alpha^{14}, 1)
P_{3312} = (15, 13, 11, 1) = (\alpha^6, \alpha^{11}, \alpha^5, 1)
                                                                                P_{3357} = (12, 0, 12, 1) = (\alpha^{14}, 0, \alpha^{14}, 1)
P_{3313} = (0, 14, 11, 1) = (0, \alpha^8, \alpha^5, 1)
                                                                                P_{3358} = (13, 0, 12, 1) = (\alpha^{11}, 0, \alpha^{14}, 1)
                                                                                P_{3359} = (14, 0, 12, 1) = (\alpha^8, 0, \alpha^{14}, 1)
P_{3314} = (1, 14, 11, 1) = (1, \alpha^8, \alpha^5, 1)
                                                                                P_{3360} = (15, 0, 12, 1) = (\alpha^6, 0, \alpha^{14}, 1)
P_{3315} = (2, 14, 11, 1) = (\alpha, \alpha^8, \alpha^5, 1)
P_{3316} = (3, 14, 11, 1) = (\alpha^{12}, \alpha^8, \alpha^5, 1)
                                                                                P_{3361} = (0, 1, 12, 1) = (0, 1, \alpha^{14}, 1)
P_{3317} = (4, 14, 11, 1) = (\alpha^2, \alpha^8, \alpha^5, 1)
                                                                                P_{3362} = (1, 1, 12, 1) = (1, 1, \alpha^{14}, 1)
P_{3318} = (5, 14, 11, 1) = (\alpha^9, \alpha^8, \alpha^5, 1)
                                                                                P_{3363} = (2, 1, 12, 1) = (\alpha, 1, \alpha^{14}, 1)
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P_{3364} = (3, 1, 12, 1) = (\alpha^{12}, 1, \alpha^{14}, 1)
                                                                                  P_{3409} = (0, 4, 12, 1) = (0, \alpha^2, \alpha^{14}, 1)
P_{3365} = (4, 1, 12, 1) = (\alpha^2, 1, \alpha^{14}, 1)
                                                                                   P_{3410} = (1, 4, 12, 1) = (1, \alpha^2, \alpha^{14}, 1)
P_{3366} = (5, 1, 12, 1) = (\alpha^9, 1, \alpha^{14}, 1)
                                                                                  P_{3411} = (2, 4, 12, 1) = (\alpha, \alpha^2, \alpha^{14}, 1)
                                                                                  P_{3412} = (3, 4, 12, 1) = (\alpha^{12}, \alpha^2, \alpha^{14}, 1)
P_{3367} = (6, 1, 12, 1) = (\alpha^{13}, 1, \alpha^{14}, 1)
P_{3368} = (7, 1, 12, 1) = (\alpha^7, 1, \alpha^{14}, 1)
                                                                                  P_{3413} = (4, 4, 12, 1) = (\alpha^2, \alpha^2, \alpha^{14}, 1)
P_{3369} = (8, 1, 12, 1) = (\alpha^3, 1, \alpha^{14}, 1)
                                                                                  P_{3414} = (5, 4, 12, 1) = (\alpha^9, \alpha^2, \alpha^{14}, 1)
                                                                                  P_{3415} = (6, 4, 12, 1) = (\alpha^{13}, \alpha^2, \alpha^{14}, 1)
P_{3370} = (9, 1, 12, 1) = (\alpha^4, 1, \alpha^{14}, 1)
P_{3371} = (10, 1, 12, 1) = (\alpha^{10}, 1, \alpha^{14}, 1)
                                                                                  P_{3416} = (7, 4, 12, 1) = (\alpha^7, \alpha^2, \alpha^{14}, 1)
                                                                                  P_{3417} = (8, 4, 12, 1) = (\alpha^3, \alpha^2, \alpha^{14}, 1)
P_{3372} = (11, 1, 12, 1) = (\alpha^5, 1, \alpha^{14}, 1)
P_{3373} = (12, 1, 12, 1) = (\alpha^{14}, 1, \alpha^{14}, 1)
                                                                                  P_{3418} = (9, 4, 12, 1) = (\alpha^4, \alpha^2, \alpha^{14}, 1)
P_{3374} = (13, 1, 12, 1) = (\alpha^{11}, 1, \alpha^{14}, 1)
                                                                                  P_{3419} = (10, 4, 12, 1) = (\alpha^{10}, \alpha^2, \alpha^{14}, 1)
P_{3375} = (14, 1, 12, 1) = (\alpha^8, 1, \alpha^{14}, 1)
                                                                                  P_{3420} = (11, 4, 12, 1) = (\alpha^5, \alpha^2, \alpha^{14}, 1)
                                                                                  P_{3421} = (12, 4, 12, 1) = (\alpha^{14}, \alpha^2, \alpha^{14}, 1)
P_{3376} = (15, 1, 12, 1) = (\alpha^6, 1, \alpha^{14}, 1)
                                                                                  P_{3422} = (13, 4, 12, 1) = (\alpha^{11}, \alpha^2, \alpha^{14}, 1)
P_{3377} = (0, 2, 12, 1) = (0, \alpha, \alpha^{14}, 1)
P_{3378} = (1, 2, 12, 1) = (1, \alpha, \alpha^{14}, 1)
                                                                                  P_{3423} = (14, 4, 12, 1) = (\alpha^8, \alpha^2, \alpha^{14}, 1)
P_{3379} = (2, 2, 12, 1) = (\alpha, \alpha, \alpha^{14}, 1)
                                                                                  P_{3424} = (15, 4, 12, 1) = (\alpha^6, \alpha^2, \alpha^{14}, 1)
P_{3380} = (3, 2, 12, 1) = (\alpha^{12}, \alpha, \alpha^{14}, 1)
                                                                                  P_{3425} = (0, 5, 12, 1) = (0, \alpha^9, \alpha^{14}, 1)
P_{3381} = (4, 2, 12, 1) = (\alpha^2, \alpha, \alpha^{14}, 1)
                                                                                  P_{3426} = (1, 5, 12, 1) = (1, \alpha^9, \alpha^{14}, 1)
P_{3382} = (5, 2, 12, 1) = (\alpha^9, \alpha, \alpha^{14}, 1)
                                                                                  P_{3427} = (2, 5, 12, 1) = (\alpha, \alpha^9, \alpha^{14}, 1)
                                                                                  P_{3428} = (3, 5, 12, 1) = (\alpha^{12}, \alpha^9, \alpha^{14}, 1)
P_{3383} = (6, 2, 12, 1) = (\alpha^{13}, \alpha, \alpha^{14}, 1)
P_{3384} = (7, 2, 12, 1) = (\alpha^7, \alpha, \alpha^{14}, 1)
                                                                                  P_{3429} = (4, 5, 12, 1) = (\alpha^2, \alpha^9, \alpha^{14}, 1)
P_{3385} = (8, 2, 12, 1) = (\alpha^3, \alpha, \alpha^{14}, 1)
                                                                                  P_{3430} = (5, 5, 12, 1) = (\alpha^9, \alpha^9, \alpha^{14}, 1)
P_{3386} = (9, 2, 12, 1) = (\alpha^4, \alpha, \alpha^{14}, 1)
                                                                                  P_{3431} = (6, 5, 12, 1) = (\alpha^{13}, \alpha^9, \alpha^{14}, 1)
P_{3387} = (10, 2, 12, 1) = (\alpha^{10}, \alpha, \alpha^{14}, 1)
                                                                                  P_{3432} = (7, 5, 12, 1) = (\alpha^7, \alpha^9, \alpha^{14}, 1)
P_{3388} = (11, 2, 12, 1) = (\alpha^5, \alpha, \alpha^{14}, 1)
                                                                                  P_{3433} = (8, 5, 12, 1) = (\alpha^3, \alpha^9, \alpha^{14}, 1)
P_{3389} = (12, 2, 12, 1) = (\alpha^{14}, \alpha, \alpha^{14}, 1)
                                                                                  P_{3434} = (9, 5, 12, 1) = (\alpha^4, \alpha^9, \alpha^{14}, 1)
                                                                                  P_{3435} = (10, 5, 12, 1) = (\alpha^{10}, \alpha^9, \alpha^{14}, 1)
P_{3390} = (13, 2, 12, 1) = (\alpha^{11}, \alpha, \alpha^{14}, 1)
P_{3391} = (14, 2, 12, 1) = (\alpha^8, \alpha, \alpha^{14}, 1)
                                                                                  P_{3436} = (11, 5, 12, 1) = (\alpha^5, \alpha^9, \alpha^{14}, 1)
P_{3392} = (15, 2, 12, 1) = (\alpha^6, \alpha, \alpha^{14}, 1)
                                                                                  P_{3437} = (12, 5, 12, 1) = (\alpha^{14}, \alpha^9, \alpha^{14}, 1)
                                                                                  P_{3438} = (13, 5, 12, 1) = (\alpha^{11}, \alpha^{9}, \alpha^{14}, 1)
P_{3393} = (0, 3, 12, 1) = (0, \alpha^{12}, \alpha^{14}, 1)
P_{3394} = (1, 3, 12, 1) = (1, \alpha^{12}, \alpha^{14}, 1)
                                                                                  P_{3439} = (14, 5, 12, 1) = (\alpha^8, \alpha^9, \alpha^{14}, 1)
P_{3395} = (2, 3, 12, 1) = (\alpha, \alpha^{12}, \alpha^{14}, 1)
                                                                                  P_{3440} = (15, 5, 12, 1) = (\alpha^6, \alpha^9, \alpha^{14}, 1)
P_{3396} = (3, 3, 12, 1) = (\alpha^{12}, \alpha^{12}, \alpha^{14}, 1)
                                                                                  P_{3441} = (0, 6, 12, 1) = (0, \alpha^{13}, \alpha^{14}, 1)
                                                                                  P_{3442} = (1, 6, 12, 1) = (1, \alpha^{13}, \alpha^{14}, 1)
P_{3397} = (4, 3, 12, 1) = (\alpha^2, \alpha^{12}, \alpha^{14}, 1)
P_{3398} = (5, 3, 12, 1) = (\alpha^9, \alpha^{12}, \alpha^{14}, 1)
                                                                                  P_{3443} = (2, 6, 12, 1) = (\alpha, \alpha^{13}, \alpha^{14}, 1)
P_{3399} = (6, 3, 12, 1) = (\alpha^{13}, \alpha^{12}, \alpha^{14}, 1)
                                                                                  P_{3444} = (3, 6, 12, 1) = (\alpha^{12}, \alpha^{13}, \alpha^{14}, 1)
                                                                                  P_{3445} = (4, 6, 12, 1) = (\alpha^2, \alpha^{13}, \alpha^{14}, 1)
P_{3400} = (7, 3, 12, 1) = (\alpha^7, \alpha^{12}, \alpha^{14}, 1)
P_{3401} = (8, 3, 12, 1) = (\alpha^3, \alpha^{12}, \alpha^{14}, 1)
                                                                                  P_{3446} = (5, 6, 12, 1) = (\alpha^9, \alpha^{13}, \alpha^{14}, 1)
P_{3402} = (9, 3, 12, 1) = (\alpha^4, \alpha^{12}, \alpha^{14}, 1)
                                                                                  P_{3447} = (6, 6, 12, 1) = (\alpha^{13}, \alpha^{13}, \alpha^{14}, 1)
P_{3403} = (10, 3, 12, 1) = (\alpha^{10}, \alpha^{12}, \alpha^{14}, 1)
                                                                                  P_{3448} = (7, 6, 12, 1) = (\alpha^7, \alpha^{13}, \alpha^{14}, 1)
P_{3404} = (11, 3, 12, 1) = (\alpha^5, \alpha^{12}, \alpha^{14}, 1)
                                                                                  P_{3449} = (8, 6, 12, 1) = (\alpha^3, \alpha^{13}, \alpha^{14}, 1)
P_{3405} = (12, 3, 12, 1) = (\alpha^{14}, \alpha^{12}, \alpha^{14}, 1)
                                                                                  P_{3450} = (9, 6, 12, 1) = (\alpha^4, \alpha^{13}, \alpha^{14}, 1)
P_{3406} = (13, 3, 12, 1) = (\alpha^{11}, \alpha^{12}, \alpha^{14}, 1)
                                                                                  P_{3451} = (10, 6, 12, 1) = (\alpha^{10}, \alpha^{13}, \alpha^{14}, 1)
P_{3407} = (14, 3, 12, 1) = (\alpha^8, \alpha^{12}, \alpha^{14}, 1)
                                                                                  P_{3452} = (11, 6, 12, 1) = (\alpha^5, \alpha^{13}, \alpha^{14}, 1)
P_{3408} = (15, 3, 12, 1) = (\alpha^6, \alpha^{12}, \alpha^{14}, 1)
                                                                                  P_{3453} = (12, 6, 12, 1) = (\alpha^{14}, \alpha^{13}, \alpha^{14}, 1)
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P_{3454} = (13, 6, 12, 1) = (\alpha^{11}, \alpha^{13}, \alpha^{14}, 1)
                                                                                   P_{3499} = (10, 9, 12, 1) = (\alpha^{10}, \alpha^4, \alpha^{14}, 1)
P_{3455} = (14, 6, 12, 1) = (\alpha^8, \alpha^{13}, \alpha^{14}, 1)
                                                                                   P_{3500} = (11, 9, 12, 1) = (\alpha^5, \alpha^4, \alpha^{14}, 1)
P_{3456} = (15, 6, 12, 1) = (\alpha^6, \alpha^{13}, \alpha^{14}, 1)
                                                                                   P_{3501} = (12, 9, 12, 1) = (\alpha^{14}, \alpha^4, \alpha^{14}, 1)
P_{3457} = (0, 7, 12, 1) = (0, \alpha^7, \alpha^{14}, 1)
                                                                                   P_{3502} = (13, 9, 12, 1) = (\alpha^{11}, \alpha^4, \alpha^{14}, 1)
                                                                                   P_{3503} = (14, 9, 12, 1) = (\alpha^8, \alpha^4, \alpha^{14}, 1)
P_{3458} = (1, 7, 12, 1) = (1, \alpha^7, \alpha^{14}, 1)
P_{3459} = (2, 7, 12, 1) = (\alpha, \alpha^7, \alpha^{14}, 1)
                                                                                   P_{3504} = (15, 9, 12, 1) = (\alpha^6, \alpha^4, \alpha^{14}, 1)
P_{3460} = (3, 7, 12, 1) = (\alpha^{12}, \alpha^7, \alpha^{14}, 1)
                                                                                  P_{3505} = (0, 10, 12, 1) = (0, \alpha^{10}, \alpha^{14}, 1)
                                                                                  P_{3506} = (1, 10, 12, 1) = (1, \alpha^{10}, \alpha^{14}, 1)
P_{3461} = (4, 7, 12, 1) = (\alpha^2, \alpha^7, \alpha^{14}, 1)
                                                                                  P_{3507} = (2, 10, 12, 1) = (\alpha, \alpha^{10}, \alpha^{14}, 1)
P_{3462} = (5, 7, 12, 1) = (\alpha^9, \alpha^7, \alpha^{14}, 1)
P_{3463} = (6, 7, 12, 1) = (\alpha^{13}, \alpha^7, \alpha^{14}, 1)
                                                                                  P_{3508} = (3, 10, 12, 1) = (\alpha^{12}, \alpha^{10}, \alpha^{14}, 1)
P_{3464} = (7, 7, 12, 1) = (\alpha^7, \alpha^7, \alpha^{14}, 1)
                                                                                   P_{3509} = (4, 10, 12, 1) = (\alpha^2, \alpha^{10}, \alpha^{14}, 1)
                                                                                   P_{3510} = (5, 10, 12, 1) = (\alpha^9, \alpha^{10}, \alpha^{14}, 1)
P_{3465} = (8, 7, 12, 1) = (\alpha^3, \alpha^7, \alpha^{14}, 1)
                                                                                  P_{3511} = (6, 10, 12, 1) = (\alpha^{13}, \alpha^{10}, \alpha^{14}, 1)
P_{3466} = (9, 7, 12, 1) = (\alpha^4, \alpha^7, \alpha^{14}, 1)
P_{3467} = (10, 7, 12, 1) = (\alpha^{10}, \alpha^7, \alpha^{14}, 1)
                                                                                   P_{3512} = (7, 10, 12, 1) = (\alpha^7, \alpha^{10}, \alpha^{14}, 1)
                                                                                  P_{3513} = (8, 10, 12, 1) = (\alpha^3, \alpha^{10}, \alpha^{14}, 1)
P_{3468} = (11, 7, 12, 1) = (\alpha^5, \alpha^7, \alpha^{14}, 1)
P_{3469} = (12, 7, 12, 1) = (\alpha^{14}, \alpha^7, \alpha^{14}, 1)
                                                                                   P_{3514} = (9, 10, 12, 1) = (\alpha^4, \alpha^{10}, \alpha^{14}, 1)
P_{3470} = (13, 7, 12, 1) = (\alpha^{11}, \alpha^7, \alpha^{14}, 1)
                                                                                  P_{3515} = (10, 10, 12, 1) = (\alpha^{10}, \alpha^{10}, \alpha^{14}, 1)
P_{3471} = (14, 7, 12, 1) = (\alpha^8, \alpha^7, \alpha^{14}, 1)
                                                                                   P_{3516} = (11, 10, 12, 1) = (\alpha^5, \alpha^{10}, \alpha^{14}, 1)
P_{3472} = (15, 7, 12, 1) = (\alpha^6, \alpha^7, \alpha^{14}, 1)
                                                                                  P_{3517} = (12, 10, 12, 1) = (\alpha^{14}, \alpha^{10}, \alpha^{14}, 1)
                                                                                   P_{3518} = (13, 10, 12, 1) = (\alpha^{11}, \alpha^{10}, \alpha^{14}, 1)
P_{3473} = (0, 8, 12, 1) = (0, \alpha^3, \alpha^{14}, 1)
P_{3474} = (1, 8, 12, 1) = (1, \alpha^3, \alpha^{14}, 1)
                                                                                   P_{3519} = (14, 10, 12, 1) = (\alpha^8, \alpha^{10}, \alpha^{14}, 1)
P_{3475} = (2, 8, 12, 1) = (\alpha, \alpha^3, \alpha^{14}, 1)
                                                                                   P_{3520} = (15, 10, 12, 1) = (\alpha^6, \alpha^{10}, \alpha^{14}, 1)
P_{3476} = (3, 8, 12, 1) = (\alpha^{12}, \alpha^3, \alpha^{14}, 1)
                                                                                   P_{3521} = (0, 11, 12, 1) = (0, \alpha^5, \alpha^{14}, 1)
P_{3477} = (4, 8, 12, 1) = (\alpha^2, \alpha^3, \alpha^{14}, 1)
                                                                                   P_{3522} = (1, 11, 12, 1) = (1, \alpha^5, \alpha^{14}, 1)
P_{3478} = (5, 8, 12, 1) = (\alpha^9, \alpha^3, \alpha^{14}, 1)
                                                                                   P_{3523} = (2, 11, 12, 1) = (\alpha, \alpha^5, \alpha^{14}, 1)
P_{3479} = (6, 8, 12, 1) = (\alpha^{13}, \alpha^3, \alpha^{14}, 1)
                                                                                   P_{3524} = (3, 11, 12, 1) = (\alpha^{12}, \alpha^5, \alpha^{14}, 1)
P_{3480} = (7, 8, 12, 1) = (\alpha^7, \alpha^3, \alpha^{14}, 1)
                                                                                   P_{3525} = (4, 11, 12, 1) = (\alpha^2, \alpha^5, \alpha^{14}, 1)
P_{3481} = (8, 8, 12, 1) = (\alpha^3, \alpha^3, \alpha^{14}, 1)
                                                                                   P_{3526} = (5, 11, 12, 1) = (\alpha^9, \alpha^5, \alpha^{14}, 1)
P_{3482} = (9, 8, 12, 1) = (\alpha^4, \alpha^3, \alpha^{14}, 1)
                                                                                  P_{3527} = (6, 11, 12, 1) = (\alpha^{13}, \alpha^5, \alpha^{14}, 1)
P_{3483} = (10, 8, 12, 1) = (\alpha^{10}, \alpha^3, \alpha^{14}, 1)
                                                                                   P_{3528} = (7, 11, 12, 1) = (\alpha^7, \alpha^5, \alpha^{14}, 1)
P_{3484} = (11, 8, 12, 1) = (\alpha^5, \alpha^3, \alpha^{14}, 1)
                                                                                   P_{3529} = (8, 11, 12, 1) = (\alpha^3, \alpha^5, \alpha^{14}, 1)
                                                                                   P_{3530} = (9, 11, 12, 1) = (\alpha^4, \alpha^5, \alpha^{14}, 1)
P_{3485} = (12, 8, 12, 1) = (\alpha^{14}, \alpha^3, \alpha^{14}, 1)
P_{3486} = (13, 8, 12, 1) = (\alpha^{11}, \alpha^3, \alpha^{14}, 1)
                                                                                   P_{3531} = (10, 11, 12, 1) = (\alpha^{10}, \alpha^5, \alpha^{14}, 1)
P_{3487} = (14, 8, 12, 1) = (\alpha^8, \alpha^3, \alpha^{14}, 1)
                                                                                   P_{3532} = (11, 11, 12, 1) = (\alpha^5, \alpha^5, \alpha^{14}, 1)
P_{3488} = (15, 8, 12, 1) = (\alpha^6, \alpha^3, \alpha^{14}, 1)
                                                                                   P_{3533} = (12, 11, 12, 1) = (\alpha^{14}, \alpha^5, \alpha^{14}, 1)
                                                                                  P_{3534} = (13, 11, 12, 1) = (\alpha^{11}, \alpha^5, \alpha^{14}, 1)
P_{3489} = (0, 9, 12, 1) = (0, \alpha^4, \alpha^{14}, 1)
P_{3490} = (1, 9, 12, 1) = (1, \alpha^4, \alpha^{14}, 1)
                                                                                   P_{3535} = (14, 11, 12, 1) = (\alpha^8, \alpha^5, \alpha^{14}, 1)
P_{3491} = (2, 9, 12, 1) = (\alpha, \alpha^4, \alpha^{14}, 1)
                                                                                   P_{3536} = (15, 11, 12, 1) = (\alpha^6, \alpha^5, \alpha^{14}, 1)
P_{3492} = (3, 9, 12, 1) = (\alpha^{12}, \alpha^4, \alpha^{14}, 1)
                                                                                   P_{3537} = (0, 12, 12, 1) = (0, \alpha^{14}, \alpha^{14}, 1)
P_{3493} = (4, 9, 12, 1) = (\alpha^2, \alpha^4, \alpha^{14}, 1)
                                                                                   P_{3538} = (1, 12, 12, 1) = (1, \alpha^{14}, \alpha^{14}, 1)
P_{3494} = (5, 9, 12, 1) = (\alpha^9, \alpha^4, \alpha^{14}, 1)
                                                                                   P_{3539} = (2, 12, 12, 1) = (\alpha, \alpha^{14}, \alpha^{14}, 1)
P_{3495} = (6, 9, 12, 1) = (\alpha^{13}, \alpha^4, \alpha^{14}, 1)
                                                                                   P_{3540} = (3, 12, 12, 1) = (\alpha^{12}, \alpha^{14}, \alpha^{14}, 1)
                                                                                  P_{3541} = (4, 12, 12, 1) = (\alpha^2, \alpha^{14}, \alpha^{14}, 1)
P_{3496} = (7, 9, 12, 1) = (\alpha^7, \alpha^4, \alpha^{14}, 1)
P_{3497} = (8, 9, 12, 1) = (\alpha^3, \alpha^4, \alpha^{14}, 1)
                                                                                   P_{3542} = (5, 12, 12, 1) = (\alpha^9, \alpha^{14}, \alpha^{14}, 1)
P_{3498} = (9, 9, 12, 1) = (\alpha^4, \alpha^4, \alpha^{14}, 1)
                                                                                   P_{3543} = (6, 12, 12, 1) = (\alpha^{13}, \alpha^{14}, \alpha^{14}, 1)
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P_{3589} = (4, 15, 12, 1) = (\alpha^2, \alpha^6, \alpha^{14}, 1)
P_{3544} = (7, 12, 12, 1) = (\alpha^7, \alpha^{14}, \alpha^{14}, 1)
P_{3545} = (8, 12, 12, 1) = (\alpha^3, \alpha^{14}, \alpha^{14}, 1)
                                                                                 P_{3590} = (5, 15, 12, 1) = (\alpha^9, \alpha^6, \alpha^{14}, 1)
P_{3546} = (9, 12, 12, 1) = (\alpha^4, \alpha^{14}, \alpha^{14}, 1)
                                                                                P_{3591} = (6, 15, 12, 1) = (\alpha^{13}, \alpha^6, \alpha^{14}, 1)
P_{3547} = (10, 12, 12, 1) = (\alpha^{10}, \alpha^{14}, \alpha^{14}, 1)
                                                                                P_{3592} = (7, 15, 12, 1) = (\alpha^7, \alpha^6, \alpha^{14}, 1)
P_{3548} = (11, 12, 12, 1) = (\alpha^5, \alpha^{14}, \alpha^{14}, 1)
                                                                                P_{3593} = (8, 15, 12, 1) = (\alpha^3, \alpha^6, \alpha^{14}, 1)
P_{3549} = (12, 12, 12, 1) = (\alpha^{14}, \alpha^{14}, \alpha^{14}, 1)
                                                                                P_{3594} = (9, 15, 12, 1) = (\alpha^4, \alpha^6, \alpha^{14}, 1)
P_{3550} = (13, 12, 12, 1) = (\alpha^{11}, \alpha^{14}, \alpha^{14}, 1)
                                                                                P_{3595} = (10, 15, 12, 1) = (\alpha^{10}, \alpha^6, \alpha^{14}, 1)
P_{3551} = (14, 12, 12, 1) = (\alpha^8, \alpha^{14}, \alpha^{14}, 1)
                                                                                P_{3596} = (11, 15, 12, 1) = (\alpha^5, \alpha^6, \alpha^{14}, 1)
P_{3552} = (15, 12, 12, 1) = (\alpha^6, \alpha^{14}, \alpha^{14}, 1)
                                                                                P_{3597} = (12, 15, 12, 1) = (\alpha^{14}, \alpha^6, \alpha^{14}, 1)
P_{3553} = (0, 13, 12, 1) = (0, \alpha^{11}, \alpha^{14}, 1)
                                                                                P_{3598} = (13, 15, 12, 1) = (\alpha^{11}, \alpha^6, \alpha^{14}, 1)
P_{3554} = (1, 13, 12, 1) = (1, \alpha^{11}, \alpha^{14}, 1)
                                                                                P_{3599} = (14, 15, 12, 1) = (\alpha^8, \alpha^6, \alpha^{14}, 1)
P_{3555} = (2, 13, 12, 1) = (\alpha, \alpha^{11}, \alpha^{14}, 1)
                                                                                P_{3600} = (15, 15, 12, 1) = (\alpha^6, \alpha^6, \alpha^{14}, 1)
P_{3556} = (3, 13, 12, 1) = (\alpha^{12}, \alpha^{11}, \alpha^{14}, 1)
                                                                                P_{3601} = (0, 0, 13, 1) = (0, 0, \alpha^{11}, 1)
P_{3557} = (4, 13, 12, 1) = (\alpha^2, \alpha^{11}, \alpha^{14}, 1)
                                                                                P_{3602} = (1, 0, 13, 1) = (1, 0, \alpha^{11}, 1)
P_{3558} = (5, 13, 12, 1) = (\alpha^9, \alpha^{11}, \alpha^{14}, 1)
                                                                                P_{3603} = (2, 0, 13, 1) = (\alpha, 0, \alpha^{11}, 1)
P_{3559} = (6, 13, 12, 1) = (\alpha^{13}, \alpha^{11}, \alpha^{14}, 1)
                                                                                P_{3604} = (3, 0, 13, 1) = (\alpha^{12}, 0, \alpha^{11}, 1)
P_{3560} = (7, 13, 12, 1) = (\alpha^7, \alpha^{11}, \alpha^{14}, 1)
                                                                                P_{3605} = (4, 0, 13, 1) = (\alpha^2, 0, \alpha^{11}, 1)
P_{3561} = (8, 13, 12, 1) = (\alpha^3, \alpha^{11}, \alpha^{14}, 1)
                                                                                P_{3606} = (5, 0, 13, 1) = (\alpha^9, 0, \alpha^{11}, 1)
P_{3562} = (9, 13, 12, 1) = (\alpha^4, \alpha^{11}, \alpha^{14}, 1)
                                                                                P_{3607} = (6, 0, 13, 1) = (\alpha^{13}, 0, \alpha^{11}, 1)
P_{3563} = (10, 13, 12, 1) = (\alpha^{10}, \alpha^{11}, \alpha^{14}, 1)
                                                                                P_{3608} = (7, 0, 13, 1) = (\alpha^7, 0, \alpha^{11}, 1)
P_{3564} = (11, 13, 12, 1) = (\alpha^5, \alpha^{11}, \alpha^{14}, 1)
                                                                                P_{3609} = (8, 0, 13, 1) = (\alpha^3, 0, \alpha^{11}, 1)
P_{3565} = (12, 13, 12, 1) = (\alpha^{14}, \alpha^{11}, \alpha^{14}, 1)
                                                                                P_{3610} = (9, 0, 13, 1) = (\alpha^4, 0, \alpha^{11}, 1)
P_{3566} = (13, 13, 12, 1) = (\alpha^{11}, \alpha^{11}, \alpha^{14}, 1)
                                                                                P_{3611} = (10, 0, 13, 1) = (\alpha^{10}, 0, \alpha^{11}, 1)
P_{3567} = (14, 13, 12, 1) = (\alpha^8, \alpha^{11}, \alpha^{14}, 1)
                                                                                P_{3612} = (11, 0, 13, 1) = (\alpha^5, 0, \alpha^{11}, 1)
P_{3568} = (15, 13, 12, 1) = (\alpha^6, \alpha^{11}, \alpha^{14}, 1)
                                                                                P_{3613} = (12, 0, 13, 1) = (\alpha^{14}, 0, \alpha^{11}, 1)
P_{3569} = (0, 14, 12, 1) = (0, \alpha^8, \alpha^{14}, 1)
                                                                                P_{3614} = (13, 0, 13, 1) = (\alpha^{11}, 0, \alpha^{11}, 1)
P_{3570} = (1, 14, 12, 1) = (1, \alpha^8, \alpha^{14}, 1)
                                                                                P_{3615} = (14, 0, 13, 1) = (\alpha^8, 0, \alpha^{11}, 1)
P_{3571} = (2, 14, 12, 1) = (\alpha, \alpha^8, \alpha^{14}, 1)
                                                                                P_{3616} = (15, 0, 13, 1) = (\alpha^6, 0, \alpha^{11}, 1)
P_{3572} = (3, 14, 12, 1) = (\alpha^{12}, \alpha^{8}, \alpha^{14}, 1)
                                                                                P_{3617} = (0, 1, 13, 1) = (0, 1, \alpha^{11}, 1)
P_{3573} = (4, 14, 12, 1) = (\alpha^2, \alpha^8, \alpha^{14}, 1)
                                                                                P_{3618} = (1, 1, 13, 1) = (1, 1, \alpha^{11}, 1)
P_{3574} = (5, 14, 12, 1) = (\alpha^9, \alpha^8, \alpha^{14}, 1)
                                                                                P_{3619} = (2, 1, 13, 1) = (\alpha, 1, \alpha^{11}, 1)
P_{3575} = (6, 14, 12, 1) = (\alpha^{13}, \alpha^{8}, \alpha^{14}, 1)
                                                                                P_{3620} = (3, 1, 13, 1) = (\alpha^{12}, 1, \alpha^{11}, 1)
P_{3576} = (7, 14, 12, 1) = (\alpha^7, \alpha^8, \alpha^{14}, 1)
                                                                                P_{3621} = (4, 1, 13, 1) = (\alpha^2, 1, \alpha^{11}, 1)
P_{3577} = (8, 14, 12, 1) = (\alpha^3, \alpha^8, \alpha^{14}, 1)
                                                                                P_{3622} = (5, 1, 13, 1) = (\alpha^9, 1, \alpha^{11}, 1)
                                                                                P_{3623} = (6, 1, 13, 1) = (\alpha^{13}, 1, \alpha^{11}, 1)
P_{3578} = (9, 14, 12, 1) = (\alpha^4, \alpha^8, \alpha^{14}, 1)
P_{3579} = (10, 14, 12, 1) = (\alpha^{10}, \alpha^{8}, \alpha^{14}, 1)
                                                                                P_{3624} = (7, 1, 13, 1) = (\alpha^7, 1, \alpha^{11}, 1)
P_{3580} = (11, 14, 12, 1) = (\alpha^5, \alpha^8, \alpha^{14}, 1)
                                                                                P_{3625} = (8, 1, 13, 1) = (\alpha^3, 1, \alpha^{11}, 1)
P_{3581} = (12, 14, 12, 1) = (\alpha^{14}, \alpha^8, \alpha^{14}, 1)
                                                                                P_{3626} = (9, 1, 13, 1) = (\alpha^4, 1, \alpha^{11}, 1)
P_{3582} = (13, 14, 12, 1) = (\alpha^{11}, \alpha^8, \alpha^{14}, 1)
                                                                                P_{3627} = (10, 1, 13, 1) = (\alpha^{10}, 1, \alpha^{11}, 1)
P_{3583} = (14, 14, 12, 1) = (\alpha^8, \alpha^8, \alpha^{14}, 1)
                                                                                P_{3628} = (11, 1, 13, 1) = (\alpha^5, 1, \alpha^{11}, 1)
P_{3584} = (15, 14, 12, 1) = (\alpha^6, \alpha^8, \alpha^{14}, 1)
                                                                                P_{3629} = (12, 1, 13, 1) = (\alpha^{14}, 1, \alpha^{11}, 1)
P_{3585} = (0, 15, 12, 1) = (0, \alpha^6, \alpha^{14}, 1)
                                                                                P_{3630} = (13, 1, 13, 1) = (\alpha^{11}, 1, \alpha^{11}, 1)
P_{3586} = (1, 15, 12, 1) = (1, \alpha^6, \alpha^{14}, 1)
                                                                                P_{3631} = (14, 1, 13, 1) = (\alpha^8, 1, \alpha^{11}, 1)
P_{3587} = (2, 15, 12, 1) = (\alpha, \alpha^6, \alpha^{14}, 1)
                                                                                P_{3632} = (15, 1, 13, 1) = (\alpha^6, 1, \alpha^{11}, 1)
P_{3588} = (3, 15, 12, 1) = (\alpha^{12}, \alpha^6, \alpha^{14}, 1)
                                                                                P_{3633} = (0, 2, 13, 1) = (0, \alpha, \alpha^{11}, 1)
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P_{3679} = (14, 4, 13, 1) = (\alpha^8, \alpha^2, \alpha^{11}, 1)
P_{3634} = (1, 2, 13, 1) = (1, \alpha, \alpha^{11}, 1)
                                                                                    P_{3680} = (15, 4, 13, 1) = (\alpha^6, \alpha^2, \alpha^{11}, 1)
P_{3635} = (2, 2, 13, 1) = (\alpha, \alpha, \alpha^{11}, 1)
P_{3636} = (3, 2, 13, 1) = (\alpha^{12}, \alpha, \alpha^{11}, 1)
                                                                                   P_{3681} = (0, 5, 13, 1) = (0, \alpha^9, \alpha^{11}, 1)
P_{3637} = (4, 2, 13, 1) = (\alpha^2, \alpha, \alpha^{11}, 1)
                                                                                   P_{3682} = (1, 5, 13, 1) = (1, \alpha^9, \alpha^{11}, 1)
P_{3638} = (5, 2, 13, 1) = (\alpha^9, \alpha, \alpha^{11}, 1)
                                                                                   P_{3683} = (2, 5, 13, 1) = (\alpha, \alpha^9, \alpha^{11}, 1)
                                                                                   P_{3684} = (3, 5, 13, 1) = (\alpha^{12}, \alpha^9, \alpha^{11}, 1)
P_{3639} = (6, 2, 13, 1) = (\alpha^{13}, \alpha, \alpha^{11}, 1)
P_{3640} = (7, 2, 13, 1) = (\alpha^7, \alpha, \alpha^{11}, 1)
                                                                                   P_{3685} = (4, 5, 13, 1) = (\alpha^2, \alpha^9, \alpha^{11}, 1)
P_{3641} = (8, 2, 13, 1) = (\alpha^3, \alpha, \alpha^{11}, 1)
                                                                                   P_{3686} = (5, 5, 13, 1) = (\alpha^9, \alpha^9, \alpha^{11}, 1)
P_{3642} = (9, 2, 13, 1) = (\alpha^4, \alpha, \alpha^{11}, 1)
                                                                                   P_{3687} = (6, 5, 13, 1) = (\alpha^{13}, \alpha^{9}, \alpha^{11}, 1)
P_{3643} = (10, 2, 13, 1) = (\alpha^{10}, \alpha, \alpha^{11}, 1)
                                                                                   P_{3688} = (7, 5, 13, 1) = (\alpha^7, \alpha^9, \alpha^{11}, 1)
P_{3644} = (11, 2, 13, 1) = (\alpha^5, \alpha, \alpha^{11}, 1)
                                                                                   P_{3689} = (8, 5, 13, 1) = (\alpha^3, \alpha^9, \alpha^{11}, 1)
P_{3645} = (12, 2, 13, 1) = (\alpha^{14}, \alpha, \alpha^{11}, 1)
                                                                                   P_{3690} = (9, 5, 13, 1) = (\alpha^4, \alpha^9, \alpha^{11}, 1)
P_{3646} = (13, 2, 13, 1) = (\alpha^{11}, \alpha, \alpha^{11}, 1)
                                                                                   P_{3691} = (10, 5, 13, 1) = (\alpha^{10}, \alpha^9, \alpha^{11}, 1)
                                                                                   P_{3692} = (11, 5, 13, 1) = (\alpha^5, \alpha^9, \alpha^{11}, 1)
P_{3647} = (14, 2, 13, 1) = (\alpha^8, \alpha, \alpha^{11}, 1)
P_{3648} = (15, 2, 13, 1) = (\alpha^6, \alpha, \alpha^{11}, 1)
                                                                                   P_{3693} = (12, 5, 13, 1) = (\alpha^{14}, \alpha^9, \alpha^{11}, 1)
P_{3649} = (0, 3, 13, 1) = (0, \alpha^{12}, \alpha^{11}, 1)
                                                                                   P_{3694} = (13, 5, 13, 1) = (\alpha^{11}, \alpha^9, \alpha^{11}, 1)
P_{3650} = (1, 3, 13, 1) = (1, \alpha^{12}, \alpha^{11}, 1)
                                                                                   P_{3695} = (14, 5, 13, 1) = (\alpha^8, \alpha^9, \alpha^{11}, 1)
P_{3651} = (2, 3, 13, 1) = (\alpha, \alpha^{12}, \alpha^{11}, 1)
                                                                                   P_{3696} = (15, 5, 13, 1) = (\alpha^6, \alpha^9, \alpha^{11}, 1)
P_{3652} = (3, 3, 13, 1) = (\alpha^{12}, \alpha^{12}, \alpha^{11}, 1)
                                                                                   P_{3697} = (0, 6, 13, 1) = (0, \alpha^{13}, \alpha^{11}, 1)
                                                                                   P_{3698} = (1, 6, 13, 1) = (1, \alpha^{13}, \alpha^{11}, 1)
P_{3653} = (4, 3, 13, 1) = (\alpha^2, \alpha^{12}, \alpha^{11}, 1)
P_{3654} = (5, 3, 13, 1) = (\alpha^9, \alpha^{12}, \alpha^{11}, 1)
                                                                                   P_{3699} = (2, 6, 13, 1) = (\alpha, \alpha^{13}, \alpha^{11}, 1)
P_{3655} = (6, 3, 13, 1) = (\alpha^{13}, \alpha^{12}, \alpha^{11}, 1)
                                                                                   P_{3700} = (3, 6, 13, 1) = (\alpha^{12}, \alpha^{13}, \alpha^{11}, 1)
P_{3656} = (7, 3, 13, 1) = (\alpha^7, \alpha^{12}, \alpha^{11}, 1)
                                                                                   P_{3701} = (4, 6, 13, 1) = (\alpha^2, \alpha^{13}, \alpha^{11}, 1)
P_{3657} = (8, 3, 13, 1) = (\alpha^3, \alpha^{12}, \alpha^{11}, 1)
                                                                                   P_{3702} = (5, 6, 13, 1) = (\alpha^9, \alpha^{13}, \alpha^{11}, 1)
P_{3658} = (9, 3, 13, 1) = (\alpha^4, \alpha^{12}, \alpha^{11}, 1)
                                                                                   P_{3703} = (6, 6, 13, 1) = (\alpha^{13}, \alpha^{13}, \alpha^{11}, 1)
P_{3659} = (10, 3, 13, 1) = (\alpha^{10}, \alpha^{12}, \alpha^{11}, 1)
                                                                                   P_{3704} = (7, 6, 13, 1) = (\alpha^7, \alpha^{13}, \alpha^{11}, 1)
P_{3660} = (11, 3, 13, 1) = (\alpha^5, \alpha^{12}, \alpha^{11}, 1)
                                                                                   P_{3705} = (8, 6, 13, 1) = (\alpha^3, \alpha^{13}, \alpha^{11}, 1)
P_{3661} = (12, 3, 13, 1) = (\alpha^{14}, \alpha^{12}, \alpha^{11}, 1)
                                                                                   P_{3706} = (9, 6, 13, 1) = (\alpha^4, \alpha^{13}, \alpha^{11}, 1)
P_{3662} = (13, 3, 13, 1) = (\alpha^{11}, \alpha^{12}, \alpha^{11}, 1)
                                                                                   P_{3707} = (10, 6, 13, 1) = (\alpha^{10}, \alpha^{13}, \alpha^{11}, 1)
P_{3663} = (14, 3, 13, 1) = (\alpha^8, \alpha^{12}, \alpha^{11}, 1)
                                                                                   P_{3708} = (11, 6, 13, 1) = (\alpha^5, \alpha^{13}, \alpha^{11}, 1)
P_{3664} = (15, 3, 13, 1) = (\alpha^6, \alpha^{12}, \alpha^{11}, 1)
                                                                                   P_{3709} = (12, 6, 13, 1) = (\alpha^{14}, \alpha^{13}, \alpha^{11}, 1)
                                                                                   P_{3710} = (13, 6, 13, 1) = (\alpha^{11}, \alpha^{13}, \alpha^{11}, 1)
P_{3665} = (0, 4, 13, 1) = (0, \alpha^2, \alpha^{11}, 1)
                                                                                   P_{3711} = (14, 6, 13, 1) = (\alpha^8, \alpha^{13}, \alpha^{11}, 1)
P_{3666} = (1, 4, 13, 1) = (1, \alpha^2, \alpha^{11}, 1)
P_{3667} = (2, 4, 13, 1) = (\alpha, \alpha^2, \alpha^{11}, 1)
                                                                                   P_{3712} = (15, 6, 13, 1) = (\alpha^6, \alpha^{13}, \alpha^{11}, 1)
P_{3668} = (3, 4, 13, 1) = (\alpha^{12}, \alpha^2, \alpha^{11}, 1)
                                                                                   P_{3713} = (0, 7, 13, 1) = (0, \alpha^7, \alpha^{11}, 1)
P_{3669} = (4, 4, 13, 1) = (\alpha^2, \alpha^2, \alpha^{11}, 1)
                                                                                   P_{3714} = (1, 7, 13, 1) = (1, \alpha^7, \alpha^{11}, 1)
P_{3670} = (5, 4, 13, 1) = (\alpha^9, \alpha^2, \alpha^{11}, 1)
                                                                                   P_{3715} = (2, 7, 13, 1) = (\alpha, \alpha^7, \alpha^{11}, 1)
P_{3671} = (6, 4, 13, 1) = (\alpha^{13}, \alpha^2, \alpha^{11}, 1)
                                                                                   P_{3716} = (3, 7, 13, 1) = (\alpha^{12}, \alpha^7, \alpha^{11}, 1)
P_{3672} = (7, 4, 13, 1) = (\alpha^7, \alpha^2, \alpha^{11}, 1)
                                                                                   P_{3717} = (4, 7, 13, 1) = (\alpha^2, \alpha^7, \alpha^{11}, 1)
P_{3673} = (8, 4, 13, 1) = (\alpha^3, \alpha^2, \alpha^{11}, 1)
                                                                                   P_{3718} = (5, 7, 13, 1) = (\alpha^9, \alpha^7, \alpha^{11}, 1)
P_{3674} = (9, 4, 13, 1) = (\alpha^4, \alpha^2, \alpha^{11}, 1)
                                                                                   P_{3719} = (6, 7, 13, 1) = (\alpha^{13}, \alpha^7, \alpha^{11}, 1)
P_{3675} = (10, 4, 13, 1) = (\alpha^{10}, \alpha^2, \alpha^{11}, 1)
                                                                                   P_{3720} = (7, 7, 13, 1) = (\alpha^7, \alpha^7, \alpha^{11}, 1)
P_{3676} = (11, 4, 13, 1) = (\alpha^5, \alpha^2, \alpha^{11}, 1)
                                                                                   P_{3721} = (8, 7, 13, 1) = (\alpha^3, \alpha^7, \alpha^{11}, 1)
P_{3677} = (12, 4, 13, 1) = (\alpha^{14}, \alpha^2, \alpha^{11}, 1)
                                                                                   P_{3722} = (9, 7, 13, 1) = (\alpha^4, \alpha^7, \alpha^{11}, 1)
P_{3678} = (13, 4, 13, 1) = (\alpha^{11}, \alpha^2, \alpha^{11}, 1)
                                                                                   P_{3723} = (10, 7, 13, 1) = (\alpha^{10}, \alpha^7, \alpha^{11}, 1)
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P_{3769} = (8, 10, 13, 1) = (\alpha^3, \alpha^{10}, \alpha^{11}, 1)
P_{3724} = (11, 7, 13, 1) = (\alpha^5, \alpha^7, \alpha^{11}, 1)
P_{3725} = (12, 7, 13, 1) = (\alpha^{14}, \alpha^7, \alpha^{11}, 1)
                                                                                   P_{3770} = (9, 10, 13, 1) = (\alpha^4, \alpha^{10}, \alpha^{11}, 1)
P_{3726} = (13, 7, 13, 1) = (\alpha^{11}, \alpha^7, \alpha^{11}, 1)
                                                                                   P_{3771} = (10, 10, 13, 1) = (\alpha^{10}, \alpha^{10}, \alpha^{11}, 1)
P_{3727} = (14, 7, 13, 1) = (\alpha^8, \alpha^7, \alpha^{11}, 1)
                                                                                   P_{3772} = (11, 10, 13, 1) = (\alpha^5, \alpha^{10}, \alpha^{11}, 1)
                                                                                  P_{3773} = (12, 10, 13, 1) = (\alpha^{14}, \alpha^{10}, \alpha^{11}, 1)
P_{3728} = (15, 7, 13, 1) = (\alpha^6, \alpha^7, \alpha^{11}, 1)
                                                                                  P_{3774} = (13, 10, 13, 1) = (\alpha^{11}, \alpha^{10}, \alpha^{11}, 1)
P_{3729} = (0, 8, 13, 1) = (0, \alpha^3, \alpha^{11}, 1)
                                                                                   P_{3775} = (14, 10, 13, 1) = (\alpha^8, \alpha^{10}, \alpha^{11}, 1)
P_{3730} = (1, 8, 13, 1) = (1, \alpha^3, \alpha^{11}, 1)
                                                                                  P_{3776} = (15, 10, 13, 1) = (\alpha^6, \alpha^{10}, \alpha^{11}, 1)
P_{3731} = (2, 8, 13, 1) = (\alpha, \alpha^3, \alpha^{11}, 1)
P_{3732} = (3, 8, 13, 1) = (\alpha^{12}, \alpha^3, \alpha^{11}, 1)
                                                                                   P_{3777} = (0, 11, 13, 1) = (0, \alpha^5, \alpha^{11}, 1)
P_{3733} = (4, 8, 13, 1) = (\alpha^2, \alpha^3, \alpha^{11}, 1)
                                                                                   P_{3778} = (1, 11, 13, 1) = (1, \alpha^5, \alpha^{11}, 1)
P_{3734} = (5, 8, 13, 1) = (\alpha^9, \alpha^3, \alpha^{11}, 1)
                                                                                   P_{3779} = (2, 11, 13, 1) = (\alpha, \alpha^5, \alpha^{11}, 1)
                                                                                   P_{3780} = (3, 11, 13, 1) = (\alpha^{12}, \alpha^5, \alpha^{11}, 1)
P_{3735} = (6, 8, 13, 1) = (\alpha^{13}, \alpha^3, \alpha^{11}, 1)
P_{3736} = (7, 8, 13, 1) = (\alpha^7, \alpha^3, \alpha^{11}, 1)
                                                                                   P_{3781} = (4, 11, 13, 1) = (\alpha^2, \alpha^5, \alpha^{11}, 1)
P_{3737} = (8, 8, 13, 1) = (\alpha^3, \alpha^3, \alpha^{11}, 1)
                                                                                   P_{3782} = (5, 11, 13, 1) = (\alpha^9, \alpha^5, \alpha^{11}, 1)
P_{3738} = (9, 8, 13, 1) = (\alpha^4, \alpha^3, \alpha^{11}, 1)
                                                                                   P_{3783} = (6, 11, 13, 1) = (\alpha^{13}, \alpha^5, \alpha^{11}, 1)
P_{3739} = (10, 8, 13, 1) = (\alpha^{10}, \alpha^3, \alpha^{11}, 1)
                                                                                   P_{3784} = (7, 11, 13, 1) = (\alpha^7, \alpha^5, \alpha^{11}, 1)
P_{3740} = (11, 8, 13, 1) = (\alpha^5, \alpha^3, \alpha^{11}, 1)
                                                                                   P_{3785} = (8, 11, 13, 1) = (\alpha^3, \alpha^5, \alpha^{11}, 1)
P_{3741} = (12, 8, 13, 1) = (\alpha^{14}, \alpha^3, \alpha^{11}, 1)
                                                                                   P_{3786} = (9, 11, 13, 1) = (\alpha^4, \alpha^5, \alpha^{11}, 1)
                                                                                  P_{3787} = (10, 11, 13, 1) = (\alpha^{10}, \alpha^5, \alpha^{11}, 1)
P_{3742} = (13, 8, 13, 1) = (\alpha^{11}, \alpha^3, \alpha^{11}, 1)
P_{3743} = (14, 8, 13, 1) = (\alpha^8, \alpha^3, \alpha^{11}, 1)
                                                                                   P_{3788} = (11, 11, 13, 1) = (\alpha^5, \alpha^5, \alpha^{11}, 1)
P_{3744} = (15, 8, 13, 1) = (\alpha^6, \alpha^3, \alpha^{11}, 1)
                                                                                   P_{3789} = (12, 11, 13, 1) = (\alpha^{14}, \alpha^5, \alpha^{11}, 1)
                                                                                   P_{3790} = (13, 11, 13, 1) = (\alpha^{11}, \alpha^5, \alpha^{11}, 1)
P_{3745} = (0, 9, 13, 1) = (0, \alpha^4, \alpha^{11}, 1)
                                                                                   P_{3791} = (14, 11, 13, 1) = (\alpha^8, \alpha^5, \alpha^{11}, 1)
P_{3746} = (1, 9, 13, 1) = (1, \alpha^4, \alpha^{11}, 1)
P_{3747} = (2, 9, 13, 1) = (\alpha, \alpha^4, \alpha^{11}, 1)
                                                                                   P_{3792} = (15, 11, 13, 1) = (\alpha^6, \alpha^5, \alpha^{11}, 1)
P_{3748} = (3, 9, 13, 1) = (\alpha^{12}, \alpha^4, \alpha^{11}, 1)
                                                                                   P_{3793} = (0, 12, 13, 1) = (0, \alpha^{14}, \alpha^{11}, 1)
P_{3749} = (4, 9, 13, 1) = (\alpha^2, \alpha^4, \alpha^{11}, 1)
                                                                                   P_{3794} = (1, 12, 13, 1) = (1, \alpha^{14}, \alpha^{11}, 1)
P_{3750} = (5, 9, 13, 1) = (\alpha^9, \alpha^4, \alpha^{11}, 1)
                                                                                  P_{3795} = (2, 12, 13, 1) = (\alpha, \alpha^{14}, \alpha^{11}, 1)
P_{3751} = (6, 9, 13, 1) = (\alpha^{13}, \alpha^4, \alpha^{11}, 1)
                                                                                   P_{3796} = (3, 12, 13, 1) = (\alpha^{12}, \alpha^{14}, \alpha^{11}, 1)
P_{3752} = (7, 9, 13, 1) = (\alpha^7, \alpha^4, \alpha^{11}, 1)
                                                                                   P_{3797} = (4, 12, 13, 1) = (\alpha^2, \alpha^{14}, \alpha^{11}, 1)
P_{3753} = (8, 9, 13, 1) = (\alpha^3, \alpha^4, \alpha^{11}, 1)
                                                                                  P_{3798} = (5, 12, 13, 1) = (\alpha^9, \alpha^{14}, \alpha^{11}, 1)
                                                                                   P_{3799} = (6, 12, 13, 1) = (\alpha^{13}, \alpha^{14}, \alpha^{11}, 1)
P_{3754} = (9, 9, 13, 1) = (\alpha^4, \alpha^4, \alpha^{11}, 1)
P_{3755} = (10, 9, 13, 1) = (\alpha^{10}, \alpha^4, \alpha^{11}, 1)
                                                                                   P_{3800} = (7, 12, 13, 1) = (\alpha^7, \alpha^{14}, \alpha^{11}, 1)
P_{3756} = (11, 9, 13, 1) = (\alpha^5, \alpha^4, \alpha^{11}, 1)
                                                                                   P_{3801} = (8, 12, 13, 1) = (\alpha^3, \alpha^{14}, \alpha^{11}, 1)
P_{3757} = (12, 9, 13, 1) = (\alpha^{14}, \alpha^4, \alpha^{11}, 1)
                                                                                   P_{3802} = (9, 12, 13, 1) = (\alpha^4, \alpha^{14}, \alpha^{11}, 1)
P_{3758} = (13, 9, 13, 1) = (\alpha^{11}, \alpha^4, \alpha^{11}, 1)
                                                                                   P_{3803} = (10, 12, 13, 1) = (\alpha^{10}, \alpha^{14}, \alpha^{11}, 1)
P_{3759} = (14, 9, 13, 1) = (\alpha^8, \alpha^4, \alpha^{11}, 1)
                                                                                   P_{3804} = (11, 12, 13, 1) = (\alpha^5, \alpha^{14}, \alpha^{11}, 1)
P_{3760} = (15, 9, 13, 1) = (\alpha^6, \alpha^4, \alpha^{11}, 1)
                                                                                   P_{3805} = (12, 12, 13, 1) = (\alpha^{14}, \alpha^{14}, \alpha^{11}, 1)
                                                                                  P_{3806} = (13, 12, 13, 1) = (\alpha^{11}, \alpha^{14}, \alpha^{11}, 1)
P_{3761} = (0, 10, 13, 1) = (0, \alpha^{10}, \alpha^{11}, 1)
P_{3762} = (1, 10, 13, 1) = (1, \alpha^{10}, \alpha^{11}, 1)
                                                                                   P_{3807} = (14, 12, 13, 1) = (\alpha^8, \alpha^{14}, \alpha^{11}, 1)
P_{3763} = (2, 10, 13, 1) = (\alpha, \alpha^{10}, \alpha^{11}, 1)
                                                                                   P_{3808} = (15, 12, 13, 1) = (\alpha^6, \alpha^{14}, \alpha^{11}, 1)
P_{3764} = (3, 10, 13, 1) = (\alpha^{12}, \alpha^{10}, \alpha^{11}, 1)
                                                                                   P_{3809} = (0, 13, 13, 1) = (0, \alpha^{11}, \alpha^{11}, 1)
                                                                                  P_{3810} = (1, 13, 13, 1) = (1, \alpha^{11}, \alpha^{11}, 1)
P_{3765} = (4, 10, 13, 1) = (\alpha^2, \alpha^{10}, \alpha^{11}, 1)
P_{3766} = (5, 10, 13, 1) = (\alpha^9, \alpha^{10}, \alpha^{11}, 1)
                                                                                  P_{3811} = (2, 13, 13, 1) = (\alpha, \alpha^{11}, \alpha^{11}, 1)
                                                                                  P_{3812} = (3, 13, 13, 1) = (\alpha^{12}, \alpha^{11}, \alpha^{11}, 1)
P_{3767} = (6, 10, 13, 1) = (\alpha^{13}, \alpha^{10}, \alpha^{11}, 1)
P_{3768} = (7, 10, 13, 1) = (\alpha^7, \alpha^{10}, \alpha^{11}, 1)
                                                                                   P_{3813} = (4, 13, 13, 1) = (\alpha^2, \alpha^{11}, \alpha^{11}, 1)
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P_{3814} = (5, 13, 13, 1) = (\alpha^9, \alpha^{11}, \alpha^{11}, 1)
                                                                                P_{3859} = (2, 0, 14, 1) = (\alpha, 0, \alpha^8, 1)
P_{3815} = (6, 13, 13, 1) = (\alpha^{13}, \alpha^{11}, \alpha^{11}, 1)
                                                                                P_{3860} = (3, 0, 14, 1) = (\alpha^{12}, 0, \alpha^{8}, 1)
P_{3816} = (7, 13, 13, 1) = (\alpha^7, \alpha^{11}, \alpha^{11}, 1)
                                                                                P_{3861} = (4, 0, 14, 1) = (\alpha^2, 0, \alpha^8, 1)
P_{3817} = (8, 13, 13, 1) = (\alpha^3, \alpha^{11}, \alpha^{11}, 1)
                                                                                P_{3862} = (5, 0, 14, 1) = (\alpha^9, 0, \alpha^8, 1)
P_{3818} = (9, 13, 13, 1) = (\alpha^4, \alpha^{11}, \alpha^{11}, 1)
                                                                                P_{3863} = (6, 0, 14, 1) = (\alpha^{13}, 0, \alpha^{8}, 1)
P_{3819} = (10, 13, 13, 1) = (\alpha^{10}, \alpha^{11}, \alpha^{11}, 1)
                                                                                P_{3864} = (7, 0, 14, 1) = (\alpha^7, 0, \alpha^8, 1)
P_{3820} = (11, 13, 13, 1) = (\alpha^5, \alpha^{11}, \alpha^{11}, 1)
                                                                                P_{3865} = (8, 0, 14, 1) = (\alpha^3, 0, \alpha^8, 1)
P_{3821} = (12, 13, 13, 1) = (\alpha^{14}, \alpha^{11}, \alpha^{11}, 1)
                                                                                P_{3866} = (9, 0, 14, 1) = (\alpha^4, 0, \alpha^8, 1)
P_{3822} = (13, 13, 13, 1) = (\alpha^{11}, \alpha^{11}, \alpha^{11}, 1)
                                                                                P_{3867} = (10, 0, 14, 1) = (\alpha^{10}, 0, \alpha^{8}, 1)
P_{3823} = (14, 13, 13, 1) = (\alpha^8, \alpha^{11}, \alpha^{11}, 1)
                                                                                P_{3868} = (11, 0, 14, 1) = (\alpha^5, 0, \alpha^8, 1)
P_{3824} = (15, 13, 13, 1) = (\alpha^6, \alpha^{11}, \alpha^{11}, 1)
                                                                                P_{3869} = (12, 0, 14, 1) = (\alpha^{14}, 0, \alpha^{8}, 1)
P_{3825} = (0, 14, 13, 1) = (0, \alpha^8, \alpha^{11}, 1)
                                                                                P_{3870} = (13, 0, 14, 1) = (\alpha^{11}, 0, \alpha^{8}, 1)
P_{3826} = (1, 14, 13, 1) = (1, \alpha^8, \alpha^{11}, 1)
                                                                                P_{3871} = (14, 0, 14, 1) = (\alpha^8, 0, \alpha^8, 1)
P_{3827} = (2, 14, 13, 1) = (\alpha, \alpha^8, \alpha^{11}, 1)
                                                                                P_{3872} = (15, 0, 14, 1) = (\alpha^6, 0, \alpha^8, 1)
P_{3828} = (3, 14, 13, 1) = (\alpha^{12}, \alpha^8, \alpha^{11}, 1)
                                                                                P_{3873} = (0, 1, 14, 1) = (0, 1, \alpha^8, 1)
P_{3829} = (4, 14, 13, 1) = (\alpha^2, \alpha^8, \alpha^{11}, 1)
                                                                                P_{3874} = (1, 1, 14, 1) = (1, 1, \alpha^8, 1)
P_{3830} = (5, 14, 13, 1) = (\alpha^9, \alpha^8, \alpha^{11}, 1)
                                                                                P_{3875} = (2, 1, 14, 1) = (\alpha, 1, \alpha^8, 1)
P_{3831} = (6, 14, 13, 1) = (\alpha^{13}, \alpha^{8}, \alpha^{11}, 1)
                                                                                P_{3876} = (3, 1, 14, 1) = (\alpha^{12}, 1, \alpha^{8}, 1)
                                                                                P_{3877} = (4, 1, 14, 1) = (\alpha^2, 1, \alpha^8, 1)
P_{3832} = (7, 14, 13, 1) = (\alpha^7, \alpha^8, \alpha^{11}, 1)
P_{3833} = (8, 14, 13, 1) = (\alpha^3, \alpha^8, \alpha^{11}, 1)
                                                                                P_{3878} = (5, 1, 14, 1) = (\alpha^9, 1, \alpha^8, 1)
P_{3834} = (9, 14, 13, 1) = (\alpha^4, \alpha^8, \alpha^{11}, 1)
                                                                                P_{3879} = (6, 1, 14, 1) = (\alpha^{13}, 1, \alpha^{8}, 1)
P_{3835} = (10, 14, 13, 1) = (\alpha^{10}, \alpha^{8}, \alpha^{11}, 1)
                                                                                P_{3880} = (7, 1, 14, 1) = (\alpha^7, 1, \alpha^8, 1)
P_{3836} = (11, 14, 13, 1) = (\alpha^5, \alpha^8, \alpha^{11}, 1)
                                                                                P_{3881} = (8, 1, 14, 1) = (\alpha^3, 1, \alpha^8, 1)
P_{3837} = (12, 14, 13, 1) = (\alpha^{14}, \alpha^{8}, \alpha^{11}, 1)
                                                                                P_{3882} = (9, 1, 14, 1) = (\alpha^4, 1, \alpha^8, 1)
P_{3838} = (13, 14, 13, 1) = (\alpha^{11}, \alpha^8, \alpha^{11}, 1)
                                                                                P_{3883} = (10, 1, 14, 1) = (\alpha^{10}, 1, \alpha^{8}, 1)
P_{3839} = (14, 14, 13, 1) = (\alpha^8, \alpha^8, \alpha^{11}, 1)
                                                                                P_{3884} = (11, 1, 14, 1) = (\alpha^5, 1, \alpha^8, 1)
P_{3840} = (15, 14, 13, 1) = (\alpha^6, \alpha^8, \alpha^{11}, 1)
                                                                                P_{3885} = (12, 1, 14, 1) = (\alpha^{14}, 1, \alpha^{8}, 1)
P_{3841} = (0, 15, 13, 1) = (0, \alpha^6, \alpha^{11}, 1)
                                                                                P_{3886} = (13, 1, 14, 1) = (\alpha^{11}, 1, \alpha^{8}, 1)
P_{3842} = (1, 15, 13, 1) = (1, \alpha^6, \alpha^{11}, 1)
                                                                                P_{3887} = (14, 1, 14, 1) = (\alpha^8, 1, \alpha^8, 1)
P_{3843} = (2, 15, 13, 1) = (\alpha, \alpha^6, \alpha^{11}, 1)
                                                                                P_{3888} = (15, 1, 14, 1) = (\alpha^6, 1, \alpha^8, 1)
P_{3844} = (3, 15, 13, 1) = (\alpha^{12}, \alpha^6, \alpha^{11}, 1)
                                                                                P_{3889} = (0, 2, 14, 1) = (0, \alpha, \alpha^8, 1)
P_{3845} = (4, 15, 13, 1) = (\alpha^2, \alpha^6, \alpha^{11}, 1)
                                                                                P_{3890} = (1, 2, 14, 1) = (1, \alpha, \alpha^8, 1)
P_{3846} = (5, 15, 13, 1) = (\alpha^9, \alpha^6, \alpha^{11}, 1)
                                                                                P_{3891} = (2, 2, 14, 1) = (\alpha, \alpha, \alpha^8, 1)
P_{3847} = (6, 15, 13, 1) = (\alpha^{13}, \alpha^6, \alpha^{11}, 1)
                                                                               P_{3892} = (3, 2, 14, 1) = (\alpha^{12}, \alpha, \alpha^{8}, 1)
                                                                                P_{3893} = (4, 2, 14, 1) = (\alpha^2, \alpha, \alpha^8, 1)
P_{3848} = (7, 15, 13, 1) = (\alpha^7, \alpha^6, \alpha^{11}, 1)
P_{3849} = (8, 15, 13, 1) = (\alpha^3, \alpha^6, \alpha^{11}, 1)
                                                                                P_{3894} = (5, 2, 14, 1) = (\alpha^9, \alpha, \alpha^8, 1)
P_{3850} = (9, 15, 13, 1) = (\alpha^4, \alpha^6, \alpha^{11}, 1)
                                                                                P_{3895} = (6, 2, 14, 1) = (\alpha^{13}, \alpha, \alpha^{8}, 1)
P_{3851} = (10, 15, 13, 1) = (\alpha^{10}, \alpha^6, \alpha^{11}, 1)
                                                                                P_{3896} = (7, 2, 14, 1) = (\alpha^7, \alpha, \alpha^8, 1)
P_{3852} = (11, 15, 13, 1) = (\alpha^5, \alpha^6, \alpha^{11}, 1)
                                                                                P_{3897} = (8, 2, 14, 1) = (\alpha^3, \alpha, \alpha^8, 1)
P_{3853} = (12, 15, 13, 1) = (\alpha^{14}, \alpha^6, \alpha^{11}, 1)
                                                                                P_{3898} = (9, 2, 14, 1) = (\alpha^4, \alpha, \alpha^8, 1)
P_{3854} = (13, 15, 13, 1) = (\alpha^{11}, \alpha^6, \alpha^{11}, 1)
                                                                                P_{3899} = (10, 2, 14, 1) = (\alpha^{10}, \alpha, \alpha^{8}, 1)
P_{3855} = (14, 15, 13, 1) = (\alpha^8, \alpha^6, \alpha^{11}, 1)
                                                                                P_{3900} = (11, 2, 14, 1) = (\alpha^5, \alpha, \alpha^8, 1)
P_{3856} = (15, 15, 13, 1) = (\alpha^6, \alpha^6, \alpha^{11}, 1)
                                                                                P_{3901} = (12, 2, 14, 1) = (\alpha^{14}, \alpha, \alpha^{8}, 1)
                                                                                P_{3902} = (13, 2, 14, 1) = (\alpha^{11}, \alpha, \alpha^{8}, 1)
P_{3857} = (0, 0, 14, 1) = (0, 0, \alpha^8, 1)
P_{3858} = (1, 0, 14, 1) = (1, 0, \alpha^8, 1)
                                                                                P_{3903} = (14, 2, 14, 1) = (\alpha^8, \alpha, \alpha^8, 1)
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P_{3904} = (15, 2, 14, 1) = (\alpha^6, \alpha, \alpha^8, 1)
                                                                                  P_{3949} = (12, 5, 14, 1) = (\alpha^{14}, \alpha^9, \alpha^8, 1)
P_{3905} = (0, 3, 14, 1) = (0, \alpha^{12}, \alpha^{8}, 1)
                                                                                  P_{3950} = (13, 5, 14, 1) = (\alpha^{11}, \alpha^9, \alpha^8, 1)
P_{3906} = (1, 3, 14, 1) = (1, \alpha^{12}, \alpha^{8}, 1)
                                                                                  P_{3951} = (14, 5, 14, 1) = (\alpha^8, \alpha^9, \alpha^8, 1)
P_{3907} = (2, 3, 14, 1) = (\alpha, \alpha^{12}, \alpha^{8}, 1)
                                                                                  P_{3952} = (15, 5, 14, 1) = (\alpha^6, \alpha^9, \alpha^8, 1)
                                                                                  P_{3953} = (0, 6, 14, 1) = (0, \alpha^{13}, \alpha^{8}, 1)
P_{3908} = (3, 3, 14, 1) = (\alpha^{12}, \alpha^{12}, \alpha^{8}, 1)
P_{3909} = (4, 3, 14, 1) = (\alpha^2, \alpha^{12}, \alpha^8, 1)
                                                                                  P_{3954} = (1, 6, 14, 1) = (1, \alpha^{13}, \alpha^{8}, 1)
P_{3910} = (5, 3, 14, 1) = (\alpha^9, \alpha^{12}, \alpha^8, 1)
                                                                                  P_{3955} = (2, 6, 14, 1) = (\alpha, \alpha^{13}, \alpha^{8}, 1)
P_{3911} = (6, 3, 14, 1) = (\alpha^{13}, \alpha^{12}, \alpha^{8}, 1)
                                                                                  P_{3956} = (3, 6, 14, 1) = (\alpha^{12}, \alpha^{13}, \alpha^{8}, 1)
P_{3912} = (7, 3, 14, 1) = (\alpha^7, \alpha^{12}, \alpha^8, 1)
                                                                                  P_{3957} = (4, 6, 14, 1) = (\alpha^2, \alpha^{13}, \alpha^8, 1)
P_{3913} = (8, 3, 14, 1) = (\alpha^3, \alpha^{12}, \alpha^8, 1)
                                                                                  P_{3958} = (5, 6, 14, 1) = (\alpha^9, \alpha^{13}, \alpha^8, 1)
P_{3914} = (9, 3, 14, 1) = (\alpha^4, \alpha^{12}, \alpha^8, 1)
                                                                                  P_{3959} = (6, 6, 14, 1) = (\alpha^{13}, \alpha^{13}, \alpha^{8}, 1)
                                                                                  P_{3960} = (7, 6, 14, 1) = (\alpha^7, \alpha^{13}, \alpha^8, 1)
P_{3915} = (10, 3, 14, 1) = (\alpha^{10}, \alpha^{12}, \alpha^{8}, 1)
P_{3916} = (11, 3, 14, 1) = (\alpha^5, \alpha^{12}, \alpha^8, 1)
                                                                                  P_{3961} = (8, 6, 14, 1) = (\alpha^3, \alpha^{13}, \alpha^8, 1)
                                                                                  P_{3962} = (9, 6, 14, 1) = (\alpha^4, \alpha^{13}, \alpha^8, 1)
P_{3917} = (12, 3, 14, 1) = (\alpha^{14}, \alpha^{12}, \alpha^{8}, 1)
P_{3918} = (13, 3, 14, 1) = (\alpha^{11}, \alpha^{12}, \alpha^{8}, 1)
                                                                                  P_{3963} = (10, 6, 14, 1) = (\alpha^{10}, \alpha^{13}, \alpha^{8}, 1)
P_{3919} = (14, 3, 14, 1) = (\alpha^8, \alpha^{12}, \alpha^8, 1)
                                                                                  P_{3964} = (11, 6, 14, 1) = (\alpha^5, \alpha^{13}, \alpha^8, 1)
                                                                                  P_{3965} = (12, 6, 14, 1) = (\alpha^{14}, \alpha^{13}, \alpha^{8}, 1)
P_{3920} = (15, 3, 14, 1) = (\alpha^6, \alpha^{12}, \alpha^8, 1)
                                                                                  P_{3966} = (13, 6, 14, 1) = (\alpha^{11}, \alpha^{13}, \alpha^{8}, 1)
P_{3921} = (0, 4, 14, 1) = (0, \alpha^2, \alpha^8, 1)
                                                                                  P_{3967} = (14, 6, 14, 1) = (\alpha^8, \alpha^{13}, \alpha^8, 1)
P_{3922} = (1, 4, 14, 1) = (1, \alpha^2, \alpha^8, 1)
P_{3923} = (2, 4, 14, 1) = (\alpha, \alpha^2, \alpha^8, 1)
                                                                                  P_{3968} = (15, 6, 14, 1) = (\alpha^6, \alpha^{13}, \alpha^8, 1)
P_{3924} = (3, 4, 14, 1) = (\alpha^{12}, \alpha^2, \alpha^8, 1)
                                                                                  P_{3969} = (0, 7, 14, 1) = (0, \alpha^7, \alpha^8, 1)
P_{3925} = (4, 4, 14, 1) = (\alpha^2, \alpha^2, \alpha^8, 1)
                                                                                  P_{3970} = (1, 7, 14, 1) = (1, \alpha^7, \alpha^8, 1)
P_{3926} = (5, 4, 14, 1) = (\alpha^9, \alpha^2, \alpha^8, 1)
                                                                                  P_{3971} = (2, 7, 14, 1) = (\alpha, \alpha^7, \alpha^8, 1)
                                                                                  P_{3972} = (3, 7, 14, 1) = (\alpha^{12}, \alpha^7, \alpha^8, 1)
P_{3927} = (6, 4, 14, 1) = (\alpha^{13}, \alpha^2, \alpha^8, 1)
P_{3928} = (7, 4, 14, 1) = (\alpha^7, \alpha^2, \alpha^8, 1)
                                                                                  P_{3973} = (4, 7, 14, 1) = (\alpha^2, \alpha^7, \alpha^8, 1)
P_{3929} = (8, 4, 14, 1) = (\alpha^3, \alpha^2, \alpha^8, 1)
                                                                                  P_{3974} = (5, 7, 14, 1) = (\alpha^9, \alpha^7, \alpha^8, 1)
P_{3930} = (9, 4, 14, 1) = (\alpha^4, \alpha^2, \alpha^8, 1)
                                                                                  P_{3975} = (6, 7, 14, 1) = (\alpha^{13}, \alpha^7, \alpha^8, 1)
P_{3931} = (10, 4, 14, 1) = (\alpha^{10}, \alpha^2, \alpha^8, 1)
                                                                                  P_{3976} = (7,7,14,1) = (\alpha^7, \alpha^7, \alpha^8, 1)
P_{3932} = (11, 4, 14, 1) = (\alpha^5, \alpha^2, \alpha^8, 1)
                                                                                  P_{3977} = (8, 7, 14, 1) = (\alpha^3, \alpha^7, \alpha^8, 1)
P_{3933} = (12, 4, 14, 1) = (\alpha^{14}, \alpha^2, \alpha^8, 1)
                                                                                  P_{3978} = (9, 7, 14, 1) = (\alpha^4, \alpha^7, \alpha^8, 1)
P_{3934} = (13, 4, 14, 1) = (\alpha^{11}, \alpha^2, \alpha^8, 1)
                                                                                  P_{3979} = (10, 7, 14, 1) = (\alpha^{10}, \alpha^7, \alpha^8, 1)
P_{3935} = (14, 4, 14, 1) = (\alpha^8, \alpha^2, \alpha^8, 1)
                                                                                  P_{3980} = (11, 7, 14, 1) = (\alpha^5, \alpha^7, \alpha^8, 1)
P_{3936} = (15, 4, 14, 1) = (\alpha^6, \alpha^2, \alpha^8, 1)
                                                                                  P_{3981} = (12, 7, 14, 1) = (\alpha^{14}, \alpha^7, \alpha^8, 1)
                                                                                  P_{3982} = (13, 7, 14, 1) = (\alpha^{11}, \alpha^7, \alpha^8, 1)
P_{3937} = (0, 5, 14, 1) = (0, \alpha^9, \alpha^8, 1)
P_{3938} = (1, 5, 14, 1) = (1, \alpha^9, \alpha^8, 1)
                                                                                  P_{3983} = (14, 7, 14, 1) = (\alpha^8, \alpha^7, \alpha^8, 1)
P_{3939} = (2, 5, 14, 1) = (\alpha, \alpha^9, \alpha^8, 1)
                                                                                  P_{3984} = (15, 7, 14, 1) = (\alpha^6, \alpha^7, \alpha^8, 1)
P_{3940} = (3, 5, 14, 1) = (\alpha^{12}, \alpha^9, \alpha^8, 1)
                                                                                  P_{3985} = (0, 8, 14, 1) = (0, \alpha^3, \alpha^8, 1)
P_{3941} = (4, 5, 14, 1) = (\alpha^2, \alpha^9, \alpha^8, 1)
                                                                                  P_{3986} = (1, 8, 14, 1) = (1, \alpha^3, \alpha^8, 1)
P_{3942} = (5, 5, 14, 1) = (\alpha^9, \alpha^9, \alpha^8, 1)
                                                                                  P_{3987} = (2, 8, 14, 1) = (\alpha, \alpha^3, \alpha^8, 1)
P_{3943} = (6, 5, 14, 1) = (\alpha^{13}, \alpha^9, \alpha^8, 1)
                                                                                  P_{3988} = (3, 8, 14, 1) = (\alpha^{12}, \alpha^3, \alpha^8, 1)
P_{3944} = (7, 5, 14, 1) = (\alpha^7, \alpha^9, \alpha^8, 1)
                                                                                  P_{3989} = (4, 8, 14, 1) = (\alpha^2, \alpha^3, \alpha^8, 1)
P_{3945} = (8, 5, 14, 1) = (\alpha^3, \alpha^9, \alpha^8, 1)
                                                                                  P_{3990} = (5, 8, 14, 1) = (\alpha^9, \alpha^3, \alpha^8, 1)
P_{3946} = (9, 5, 14, 1) = (\alpha^4, \alpha^9, \alpha^8, 1)
                                                                                  P_{3991} = (6, 8, 14, 1) = (\alpha^{13}, \alpha^3, \alpha^8, 1)
P_{3947} = (10, 5, 14, 1) = (\alpha^{10}, \alpha^9, \alpha^8, 1)
                                                                                  P_{3992} = (7, 8, 14, 1) = (\alpha^7, \alpha^3, \alpha^8, 1)
P_{3948} = (11, 5, 14, 1) = (\alpha^5, \alpha^9, \alpha^8, 1)
                                                                                  P_{3993} = (8, 8, 14, 1) = (\alpha^3, \alpha^3, \alpha^8, 1)
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P_{3994} = (9, 8, 14, 1) = (\alpha^4, \alpha^3, \alpha^8, 1)
                                                                                 P_{4039} = (6, 11, 14, 1) = (\alpha^{13}, \alpha^5, \alpha^8, 1)
P_{3995} = (10, 8, 14, 1) = (\alpha^{10}, \alpha^3, \alpha^8, 1)
                                                                                  P_{4040} = (7, 11, 14, 1) = (\alpha^7, \alpha^5, \alpha^8, 1)
P_{3996} = (11, 8, 14, 1) = (\alpha^5, \alpha^3, \alpha^8, 1)
                                                                                 P_{4041} = (8, 11, 14, 1) = (\alpha^3, \alpha^5, \alpha^8, 1)
P_{3997} = (12, 8, 14, 1) = (\alpha^{14}, \alpha^3, \alpha^8, 1)
                                                                                 P_{4042} = (9, 11, 14, 1) = (\alpha^4, \alpha^5, \alpha^8, 1)
P_{3998} = (13, 8, 14, 1) = (\alpha^{11}, \alpha^3, \alpha^8, 1)
                                                                                 P_{4043} = (10, 11, 14, 1) = (\alpha^{10}, \alpha^5, \alpha^8, 1)
P_{3999} = (14, 8, 14, 1) = (\alpha^8, \alpha^3, \alpha^8, 1)
                                                                                 P_{4044} = (11, 11, 14, 1) = (\alpha^5, \alpha^5, \alpha^8, 1)
P_{4000} = (15, 8, 14, 1) = (\alpha^6, \alpha^3, \alpha^8, 1)
                                                                                 P_{4045} = (12, 11, 14, 1) = (\alpha^{14}, \alpha^5, \alpha^8, 1)
                                                                                 P_{4046} = (13, 11, 14, 1) = (\alpha^{11}, \alpha^5, \alpha^8, 1)
P_{4001} = (0, 9, 14, 1) = (0, \alpha^4, \alpha^8, 1)
P_{4002} = (1, 9, 14, 1) = (1, \alpha^4, \alpha^8, 1)
                                                                                 P_{4047} = (14, 11, 14, 1) = (\alpha^8, \alpha^5, \alpha^8, 1)
P_{4003} = (2, 9, 14, 1) = (\alpha, \alpha^4, \alpha^8, 1)
                                                                                 P_{4048} = (15, 11, 14, 1) = (\alpha^6, \alpha^5, \alpha^8, 1)
                                                                                 P_{4049} = (0, 12, 14, 1) = (0, \alpha^{14}, \alpha^{8}, 1)
P_{4004} = (3, 9, 14, 1) = (\alpha^{12}, \alpha^4, \alpha^8, 1)
                                                                                 P_{4050} = (1, 12, 14, 1) = (1, \alpha^{14}, \alpha^{8}, 1)
P_{4005} = (4, 9, 14, 1) = (\alpha^2, \alpha^4, \alpha^8, 1)
P_{4006} = (5, 9, 14, 1) = (\alpha^9, \alpha^4, \alpha^8, 1)
                                                                                 P_{4051} = (2, 12, 14, 1) = (\alpha, \alpha^{14}, \alpha^{8}, 1)
P_{4007} = (6, 9, 14, 1) = (\alpha^{13}, \alpha^4, \alpha^8, 1)
                                                                                 P_{4052} = (3, 12, 14, 1) = (\alpha^{12}, \alpha^{14}, \alpha^{8}, 1)
P_{4008} = (7, 9, 14, 1) = (\alpha^7, \alpha^4, \alpha^8, 1)
                                                                                 P_{4053} = (4, 12, 14, 1) = (\alpha^2, \alpha^{14}, \alpha^8, 1)
P_{4009} = (8, 9, 14, 1) = (\alpha^3, \alpha^4, \alpha^8, 1)
                                                                                 P_{4054} = (5, 12, 14, 1) = (\alpha^9, \alpha^{14}, \alpha^8, 1)
                                                                                 P_{4055} = (6, 12, 14, 1) = (\alpha^{13}, \alpha^{14}, \alpha^{8}, 1)
P_{4010} = (9, 9, 14, 1) = (\alpha^4, \alpha^4, \alpha^8, 1)
P_{4011} = (10, 9, 14, 1) = (\alpha^{10}, \alpha^4, \alpha^8, 1)
                                                                                 P_{4056} = (7, 12, 14, 1) = (\alpha^7, \alpha^{14}, \alpha^8, 1)
                                                                                 P_{4057} = (8, 12, 14, 1) = (\alpha^3, \alpha^{14}, \alpha^8, 1)
P_{4012} = (11, 9, 14, 1) = (\alpha^5, \alpha^4, \alpha^8, 1)
P_{4013} = (12, 9, 14, 1) = (\alpha^{14}, \alpha^4, \alpha^8, 1)
                                                                                 P_{4058} = (9, 12, 14, 1) = (\alpha^4, \alpha^{14}, \alpha^8, 1)
P_{4014} = (13, 9, 14, 1) = (\alpha^{11}, \alpha^4, \alpha^8, 1)
                                                                                 P_{4059} = (10, 12, 14, 1) = (\alpha^{10}, \alpha^{14}, \alpha^{8}, 1)
P_{4015} = (14, 9, 14, 1) = (\alpha^8, \alpha^4, \alpha^8, 1)
                                                                                 P_{4060} = (11, 12, 14, 1) = (\alpha^5, \alpha^{14}, \alpha^8, 1)
P_{4016} = (15, 9, 14, 1) = (\alpha^6, \alpha^4, \alpha^8, 1)
                                                                                 P_{4061} = (12, 12, 14, 1) = (\alpha^{14}, \alpha^{14}, \alpha^{8}, 1)
                                                                                 P_{4062} = (13, 12, 14, 1) = (\alpha^{11}, \alpha^{14}, \alpha^{8}, 1)
P_{4017} = (0, 10, 14, 1) = (0, \alpha^{10}, \alpha^{8}, 1)
P_{4018} = (1, 10, 14, 1) = (1, \alpha^{10}, \alpha^{8}, 1)
                                                                                 P_{4063} = (14, 12, 14, 1) = (\alpha^8, \alpha^{14}, \alpha^8, 1)
P_{4019} = (2, 10, 14, 1) = (\alpha, \alpha^{10}, \alpha^{8}, 1)
                                                                                 P_{4064} = (15, 12, 14, 1) = (\alpha^6, \alpha^{14}, \alpha^8, 1)
P_{4020} = (3, 10, 14, 1) = (\alpha^{12}, \alpha^{10}, \alpha^{8}, 1)
                                                                                 P_{4065} = (0, 13, 14, 1) = (0, \alpha^{11}, \alpha^{8}, 1)
P_{4021} = (4, 10, 14, 1) = (\alpha^2, \alpha^{10}, \alpha^8, 1)
                                                                                 P_{4066} = (1, 13, 14, 1) = (1, \alpha^{11}, \alpha^{8}, 1)
P_{4022} = (5, 10, 14, 1) = (\alpha^9, \alpha^{10}, \alpha^8, 1)
                                                                                 P_{4067} = (2, 13, 14, 1) = (\alpha, \alpha^{11}, \alpha^{8}, 1)
P_{4023} = (6, 10, 14, 1) = (\alpha^{13}, \alpha^{10}, \alpha^{8}, 1)
                                                                                 P_{4068} = (3, 13, 14, 1) = (\alpha^{12}, \alpha^{11}, \alpha^{8}, 1)
P_{4024} = (7, 10, 14, 1) = (\alpha^7, \alpha^{10}, \alpha^8, 1)
                                                                                 P_{4069} = (4, 13, 14, 1) = (\alpha^2, \alpha^{11}, \alpha^8, 1)
P_{4025} = (8, 10, 14, 1) = (\alpha^3, \alpha^{10}, \alpha^8, 1)
                                                                                 P_{4070} = (5, 13, 14, 1) = (\alpha^9, \alpha^{11}, \alpha^8, 1)
P_{4026} = (9, 10, 14, 1) = (\alpha^4, \alpha^{10}, \alpha^8, 1)
                                                                                 P_{4071} = (6, 13, 14, 1) = (\alpha^{13}, \alpha^{11}, \alpha^{8}, 1)
P_{4027} = (10, 10, 14, 1) = (\alpha^{10}, \alpha^{10}, \alpha^{8}, 1)
                                                                                 P_{4072} = (7, 13, 14, 1) = (\alpha^7, \alpha^{11}, \alpha^8, 1)
P_{4028} = (11, 10, 14, 1) = (\alpha^5, \alpha^{10}, \alpha^8, 1)
                                                                                 P_{4073} = (8, 13, 14, 1) = (\alpha^3, \alpha^{11}, \alpha^8, 1)
P_{4029} = (12, 10, 14, 1) = (\alpha^{14}, \alpha^{10}, \alpha^{8}, 1)
                                                                                 P_{4074} = (9, 13, 14, 1) = (\alpha^4, \alpha^{11}, \alpha^8, 1)
P_{4030} = (13, 10, 14, 1) = (\alpha^{11}, \alpha^{10}, \alpha^{8}, 1)
                                                                                 P_{4075} = (10, 13, 14, 1) = (\alpha^{10}, \alpha^{11}, \alpha^{8}, 1)
P_{4031} = (14, 10, 14, 1) = (\alpha^8, \alpha^{10}, \alpha^8, 1)
                                                                                 P_{4076} = (11, 13, 14, 1) = (\alpha^5, \alpha^{11}, \alpha^8, 1)
P_{4032} = (15, 10, 14, 1) = (\alpha^6, \alpha^{10}, \alpha^8, 1)
                                                                                 P_{4077} = (12, 13, 14, 1) = (\alpha^{14}, \alpha^{11}, \alpha^{8}, 1)
P_{4033} = (0, 11, 14, 1) = (0, \alpha^5, \alpha^8, 1)
                                                                                 P_{4078} = (13, 13, 14, 1) = (\alpha^{11}, \alpha^{11}, \alpha^{8}, 1)
                                                                                 P_{4079} = (14, 13, 14, 1) = (\alpha^8, \alpha^{11}, \alpha^8, 1)
P_{4034} = (1, 11, 14, 1) = (1, \alpha^5, \alpha^8, 1)
                                                                                 P_{4080} = (15, 13, 14, 1) = (\alpha^6, \alpha^{11}, \alpha^8, 1)
P_{4035} = (2, 11, 14, 1) = (\alpha, \alpha^5, \alpha^8, 1)
P_{4036} = (3, 11, 14, 1) = (\alpha^{12}, \alpha^5, \alpha^8, 1)
                                                                                 P_{4081} = (0, 14, 14, 1) = (0, \alpha^8, \alpha^8, 1)
P_{4037} = (4, 11, 14, 1) = (\alpha^2, \alpha^5, \alpha^8, 1)
                                                                                 P_{4082} = (1, 14, 14, 1) = (1, \alpha^8, \alpha^8, 1)
P_{4038} = (5, 11, 14, 1) = (\alpha^9, \alpha^5, \alpha^8, 1)
                                                                                 P_{4083} = (2, 14, 14, 1) = (\alpha, \alpha^8, \alpha^8, 1)
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P_{4084} = (3, 14, 14, 1) = (\alpha^{12}, \alpha^8, \alpha^8, 1)
                                                                               P_{4129} = (0, 1, 15, 1) = (0, 1, \alpha^6, 1)
P_{4085} = (4, 14, 14, 1) = (\alpha^2, \alpha^8, \alpha^8, 1)
                                                                               P_{4130} = (1, 1, 15, 1) = (1, 1, \alpha^6, 1)
P_{4086} = (5, 14, 14, 1) = (\alpha^9, \alpha^8, \alpha^8, 1)
                                                                               P_{4131} = (2, 1, 15, 1) = (\alpha, 1, \alpha^6, 1)
                                                                               P_{4132} = (3, 1, 15, 1) = (\alpha^{12}, 1, \alpha^6, 1)
P_{4087} = (6, 14, 14, 1) = (\alpha^{13}, \alpha^{8}, \alpha^{8}, 1)
                                                                               P_{4133} = (4, 1, 15, 1) = (\alpha^2, 1, \alpha^6, 1)
P_{4088} = (7, 14, 14, 1) = (\alpha^7, \alpha^8, \alpha^8, 1)
P_{4089} = (8, 14, 14, 1) = (\alpha^3, \alpha^8, \alpha^8, 1)
                                                                               P_{4134} = (5, 1, 15, 1) = (\alpha^9, 1, \alpha^6, 1)
P_{4090} = (9, 14, 14, 1) = (\alpha^4, \alpha^8, \alpha^8, 1)
                                                                               P_{4135} = (6, 1, 15, 1) = (\alpha^{13}, 1, \alpha^{6}, 1)
P_{4091} = (10, 14, 14, 1) = (\alpha^{10}, \alpha^{8}, \alpha^{8}, 1)
                                                                               P_{4136} = (7, 1, 15, 1) = (\alpha^7, 1, \alpha^6, 1)
P_{4092} = (11, 14, 14, 1) = (\alpha^5, \alpha^8, \alpha^8, 1)
                                                                               P_{4137} = (8, 1, 15, 1) = (\alpha^3, 1, \alpha^6, 1)
P_{4093} = (12, 14, 14, 1) = (\alpha^{14}, \alpha^{8}, \alpha^{8}, 1)
                                                                               P_{4138} = (9, 1, 15, 1) = (\alpha^4, 1, \alpha^6, 1)
P_{4094} = (13, 14, 14, 1) = (\alpha^{11}, \alpha^8, \alpha^8, 1)
                                                                               P_{4139} = (10, 1, 15, 1) = (\alpha^{10}, 1, \alpha^{6}, 1)
P_{4095} = (14, 14, 14, 1) = (\alpha^8, \alpha^8, \alpha^8, 1)
                                                                               P_{4140} = (11, 1, 15, 1) = (\alpha^5, 1, \alpha^6, 1)
                                                                               P_{4141} = (12, 1, 15, 1) = (\alpha^{14}, 1, \alpha^6, 1)
P_{4096} = (15, 14, 14, 1) = (\alpha^6, \alpha^8, \alpha^8, 1)
P_{4097} = (0, 15, 14, 1) = (0, \alpha^6, \alpha^8, 1)
                                                                               P_{4142} = (13, 1, 15, 1) = (\alpha^{11}, 1, \alpha^6, 1)
P_{4098} = (1, 15, 14, 1) = (1, \alpha^6, \alpha^8, 1)
                                                                               P_{4143} = (14, 1, 15, 1) = (\alpha^8, 1, \alpha^6, 1)
P_{4099} = (2, 15, 14, 1) = (\alpha, \alpha^6, \alpha^8, 1)
                                                                               P_{4144} = (15, 1, 15, 1) = (\alpha^6, 1, \alpha^6, 1)
P_{4100} = (3, 15, 14, 1) = (\alpha^{12}, \alpha^6, \alpha^8, 1)
                                                                               P_{4145} = (0, 2, 15, 1) = (0, \alpha, \alpha^6, 1)
P_{4101} = (4, 15, 14, 1) = (\alpha^2, \alpha^6, \alpha^8, 1)
                                                                               P_{4146} = (1, 2, 15, 1) = (1, \alpha, \alpha^6, 1)
P_{4102} = (5, 15, 14, 1) = (\alpha^9, \alpha^6, \alpha^8, 1)
                                                                               P_{4147} = (2, 2, 15, 1) = (\alpha, \alpha, \alpha^6, 1)
                                                                               P_{4148} = (3, 2, 15, 1) = (\alpha^{12}, \alpha, \alpha^{6}, 1)
P_{4103} = (6, 15, 14, 1) = (\alpha^{13}, \alpha^6, \alpha^8, 1)
P_{4104} = (7, 15, 14, 1) = (\alpha^7, \alpha^6, \alpha^8, 1)
                                                                               P_{4149} = (4, 2, 15, 1) = (\alpha^2, \alpha, \alpha^6, 1)
P_{4105} = (8, 15, 14, 1) = (\alpha^3, \alpha^6, \alpha^8, 1)
                                                                               P_{4150} = (5, 2, 15, 1) = (\alpha^9, \alpha, \alpha^6, 1)
P_{4106} = (9, 15, 14, 1) = (\alpha^4, \alpha^6, \alpha^8, 1)
                                                                               P_{4151} = (6, 2, 15, 1) = (\alpha^{13}, \alpha, \alpha^{6}, 1)
P_{4107} = (10, 15, 14, 1) = (\alpha^{10}, \alpha^{6}, \alpha^{8}, 1)
                                                                               P_{4152} = (7, 2, 15, 1) = (\alpha^7, \alpha, \alpha^6, 1)
P_{4108} = (11, 15, 14, 1) = (\alpha^5, \alpha^6, \alpha^8, 1)
                                                                               P_{4153} = (8, 2, 15, 1) = (\alpha^3, \alpha, \alpha^6, 1)
P_{4109} = (12, 15, 14, 1) = (\alpha^{14}, \alpha^{6}, \alpha^{8}, 1)
                                                                               P_{4154} = (9, 2, 15, 1) = (\alpha^4, \alpha, \alpha^6, 1)
P_{4110} = (13, 15, 14, 1) = (\alpha^{11}, \alpha^6, \alpha^8, 1)
                                                                               P_{4155} = (10, 2, 15, 1) = (\alpha^{10}, \alpha, \alpha^{6}, 1)
                                                                               P_{4156} = (11, 2, 15, 1) = (\alpha^5, \alpha, \alpha^6, 1)
P_{4111} = (14, 15, 14, 1) = (\alpha^8, \alpha^6, \alpha^8, 1)
P_{4112} = (15, 15, 14, 1) = (\alpha^6, \alpha^6, \alpha^8, 1)
                                                                               P_{4157} = (12, 2, 15, 1) = (\alpha^{14}, \alpha, \alpha^{6}, 1)
P_{4113} = (0, 0, 15, 1) = (0, 0, \alpha^6, 1)
                                                                               P_{4158} = (13, 2, 15, 1) = (\alpha^{11}, \alpha, \alpha^6, 1)
P_{4114} = (1, 0, 15, 1) = (1, 0, \alpha^6, 1)
                                                                               P_{4159} = (14, 2, 15, 1) = (\alpha^8, \alpha, \alpha^6, 1)
P_{4115} = (2, 0, 15, 1) = (\alpha, 0, \alpha^6, 1)
                                                                               P_{4160} = (15, 2, 15, 1) = (\alpha^6, \alpha, \alpha^6, 1)
P_{4116} = (3, 0, 15, 1) = (\alpha^{12}, 0, \alpha^{6}, 1)
                                                                               P_{4161} = (0, 3, 15, 1) = (0, \alpha^{12}, \alpha^{6}, 1)
P_{4117} = (4, 0, 15, 1) = (\alpha^2, 0, \alpha^6, 1)
                                                                               P_{4162} = (1, 3, 15, 1) = (1, \alpha^{12}, \alpha^6, 1)
P_{4118} = (5, 0, 15, 1) = (\alpha^9, 0, \alpha^6, 1)
                                                                               P_{4163} = (2, 3, 15, 1) = (\alpha, \alpha^{12}, \alpha^{6}, 1)
                                                                               P_{4164} = (3, 3, 15, 1) = (\alpha^{12}, \alpha^{12}, \alpha^{6}, 1)
P_{4119} = (6, 0, 15, 1) = (\alpha^{13}, 0, \alpha^{6}, 1)
P_{4120} = (7, 0, 15, 1) = (\alpha^7, 0, \alpha^6, 1)
                                                                               P_{4165} = (4, 3, 15, 1) = (\alpha^2, \alpha^{12}, \alpha^6, 1)
                                                                               P_{4166} = (5, 3, 15, 1) = (\alpha^9, \alpha^{12}, \alpha^6, 1)
P_{4121} = (8, 0, 15, 1) = (\alpha^3, 0, \alpha^6, 1)
P_{4122} = (9, 0, 15, 1) = (\alpha^4, 0, \alpha^6, 1)
                                                                               P_{4167} = (6, 3, 15, 1) = (\alpha^{13}, \alpha^{12}, \alpha^{6}, 1)
P_{4123} = (10, 0, 15, 1) = (\alpha^{10}, 0, \alpha^{6}, 1)
                                                                               P_{4168} = (7, 3, 15, 1) = (\alpha^7, \alpha^{12}, \alpha^6, 1)
                                                                               P_{4169} = (8, 3, 15, 1) = (\alpha^3, \alpha^{12}, \alpha^6, 1)
P_{4124} = (11, 0, 15, 1) = (\alpha^5, 0, \alpha^6, 1)
P_{4125} = (12, 0, 15, 1) = (\alpha^{14}, 0, \alpha^{6}, 1)
                                                                               P_{4170} = (9, 3, 15, 1) = (\alpha^4, \alpha^{12}, \alpha^6, 1)
                                                                               P_{4171} = (10, 3, 15, 1) = (\alpha^{10}, \alpha^{12}, \alpha^{6}, 1)
P_{4126} = (13, 0, 15, 1) = (\alpha^{11}, 0, \alpha^6, 1)
P_{4127} = (14, 0, 15, 1) = (\alpha^8, 0, \alpha^6, 1)
                                                                               P_{4172} = (11, 3, 15, 1) = (\alpha^5, \alpha^{12}, \alpha^6, 1)
P_{4128} = (15, 0, 15, 1) = (\alpha^6, 0, \alpha^6, 1)
                                                                               P_{4173} = (12, 3, 15, 1) = (\alpha^{14}, \alpha^{12}, \alpha^{6}, 1)
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P_{4174} = (13, 3, 15, 1) = (\alpha^{11}, \alpha^{12}, \alpha^{6}, 1)
                                                                                 P_{4219} = (10, 6, 15, 1) = (\alpha^{10}, \alpha^{13}, \alpha^{6}, 1)
P_{4175} = (14, 3, 15, 1) = (\alpha^8, \alpha^{12}, \alpha^6, 1)
                                                                                  P_{4220} = (11, 6, 15, 1) = (\alpha^5, \alpha^{13}, \alpha^6, 1)
P_{4176} = (15, 3, 15, 1) = (\alpha^6, \alpha^{12}, \alpha^6, 1)
                                                                                 P_{4221} = (12, 6, 15, 1) = (\alpha^{14}, \alpha^{13}, \alpha^{6}, 1)
                                                                                 P_{4222} = (13, 6, 15, 1) = (\alpha^{11}, \alpha^{13}, \alpha^{6}, 1)
P_{4177} = (0, 4, 15, 1) = (0, \alpha^2, \alpha^6, 1)
                                                                                 P_{4223} = (14, 6, 15, 1) = (\alpha^8, \alpha^{13}, \alpha^6, 1)
P_{4178} = (1, 4, 15, 1) = (1, \alpha^2, \alpha^6, 1)
P_{4179} = (2, 4, 15, 1) = (\alpha, \alpha^2, \alpha^6, 1)
                                                                                 P_{4224} = (15, 6, 15, 1) = (\alpha^6, \alpha^{13}, \alpha^6, 1)
P_{4180} = (3, 4, 15, 1) = (\alpha^{12}, \alpha^2, \alpha^6, 1)
                                                                                 P_{4225} = (0, 7, 15, 1) = (0, \alpha^7, \alpha^6, 1)
P_{4181} = (4, 4, 15, 1) = (\alpha^2, \alpha^2, \alpha^6, 1)
                                                                                 P_{4226} = (1, 7, 15, 1) = (1, \alpha^7, \alpha^6, 1)
P_{4182} = (5, 4, 15, 1) = (\alpha^9, \alpha^2, \alpha^6, 1)
                                                                                 P_{4227} = (2, 7, 15, 1) = (\alpha, \alpha^7, \alpha^6, 1)
P_{4183} = (6, 4, 15, 1) = (\alpha^{13}, \alpha^2, \alpha^6, 1)
                                                                                 P_{4228} = (3, 7, 15, 1) = (\alpha^{12}, \alpha^7, \alpha^6, 1)
P_{4184} = (7, 4, 15, 1) = (\alpha^7, \alpha^2, \alpha^6, 1)
                                                                                 P_{4229} = (4, 7, 15, 1) = (\alpha^2, \alpha^7, \alpha^6, 1)
P_{4185} = (8, 4, 15, 1) = (\alpha^3, \alpha^2, \alpha^6, 1)
                                                                                 P_{4230} = (5, 7, 15, 1) = (\alpha^9, \alpha^7, \alpha^6, 1)
                                                                                 P_{4231} = (6, 7, 15, 1) = (\alpha^{13}, \alpha^7, \alpha^6, 1)
P_{4186} = (9, 4, 15, 1) = (\alpha^4, \alpha^2, \alpha^6, 1)
P_{4187} = (10, 4, 15, 1) = (\alpha^{10}, \alpha^2, \alpha^6, 1)
                                                                                 P_{4232} = (7, 7, 15, 1) = (\alpha^7, \alpha^7, \alpha^6, 1)
P_{4188} = (11, 4, 15, 1) = (\alpha^5, \alpha^2, \alpha^6, 1)
                                                                                 P_{4233} = (8, 7, 15, 1) = (\alpha^3, \alpha^7, \alpha^6, 1)
P_{4189} = (12, 4, 15, 1) = (\alpha^{14}, \alpha^2, \alpha^6, 1)
                                                                                 P_{4234} = (9, 7, 15, 1) = (\alpha^4, \alpha^7, \alpha^6, 1)
P_{4190} = (13, 4, 15, 1) = (\alpha^{11}, \alpha^2, \alpha^6, 1)
                                                                                 P_{4235} = (10, 7, 15, 1) = (\alpha^{10}, \alpha^7, \alpha^6, 1)
P_{4191} = (14, 4, 15, 1) = (\alpha^8, \alpha^2, \alpha^6, 1)
                                                                                 P_{4236} = (11, 7, 15, 1) = (\alpha^5, \alpha^7, \alpha^6, 1)
                                                                                 P_{4237} = (12, 7, 15, 1) = (\alpha^{14}, \alpha^7, \alpha^6, 1)
P_{4192} = (15, 4, 15, 1) = (\alpha^6, \alpha^2, \alpha^6, 1)
P_{4193} = (0, 5, 15, 1) = (0, \alpha^9, \alpha^6, 1)
                                                                                 P_{4238} = (13, 7, 15, 1) = (\alpha^{11}, \alpha^7, \alpha^6, 1)
P_{4194} = (1, 5, 15, 1) = (1, \alpha^9, \alpha^6, 1)
                                                                                 P_{4239} = (14, 7, 15, 1) = (\alpha^8, \alpha^7, \alpha^6, 1)
P_{4195} = (2, 5, 15, 1) = (\alpha, \alpha^9, \alpha^6, 1)
                                                                                 P_{4240} = (15, 7, 15, 1) = (\alpha^6, \alpha^7, \alpha^6, 1)
P_{4196} = (3, 5, 15, 1) = (\alpha^{12}, \alpha^9, \alpha^6, 1)
                                                                                 P_{4241} = (0, 8, 15, 1) = (0, \alpha^3, \alpha^6, 1)
P_{4197} = (4, 5, 15, 1) = (\alpha^2, \alpha^9, \alpha^6, 1)
                                                                                 P_{4242} = (1, 8, 15, 1) = (1, \alpha^3, \alpha^6, 1)
                                                                                 P_{4243} = (2, 8, 15, 1) = (\alpha, \alpha^3, \alpha^6, 1)
P_{4198} = (5, 5, 15, 1) = (\alpha^9, \alpha^9, \alpha^6, 1)
P_{4199} = (6, 5, 15, 1) = (\alpha^{13}, \alpha^9, \alpha^6, 1)
                                                                                 P_{4244} = (3, 8, 15, 1) = (\alpha^{12}, \alpha^3, \alpha^6, 1)
P_{4200} = (7, 5, 15, 1) = (\alpha^7, \alpha^9, \alpha^6, 1)
                                                                                 P_{4245} = (4, 8, 15, 1) = (\alpha^2, \alpha^3, \alpha^6, 1)
P_{4201} = (8, 5, 15, 1) = (\alpha^3, \alpha^9, \alpha^6, 1)
                                                                                 P_{4246} = (5, 8, 15, 1) = (\alpha^9, \alpha^3, \alpha^6, 1)
P_{4202} = (9, 5, 15, 1) = (\alpha^4, \alpha^9, \alpha^6, 1)
                                                                                 P_{4247} = (6, 8, 15, 1) = (\alpha^{13}, \alpha^3, \alpha^6, 1)
P_{4203} = (10, 5, 15, 1) = (\alpha^{10}, \alpha^9, \alpha^6, 1)
                                                                                 P_{4248} = (7, 8, 15, 1) = (\alpha^7, \alpha^3, \alpha^6, 1)
                                                                                 P_{4249} = (8, 8, 15, 1) = (\alpha^3, \alpha^3, \alpha^6, 1)
P_{4204} = (11, 5, 15, 1) = (\alpha^5, \alpha^9, \alpha^6, 1)
P_{4205} = (12, 5, 15, 1) = (\alpha^{14}, \alpha^9, \alpha^6, 1)
                                                                                 P_{4250} = (9, 8, 15, 1) = (\alpha^4, \alpha^3, \alpha^6, 1)
P_{4206} = (13, 5, 15, 1) = (\alpha^{11}, \alpha^9, \alpha^6, 1)
                                                                                 P_{4251} = (10, 8, 15, 1) = (\alpha^{10}, \alpha^3, \alpha^6, 1)
P_{4207} = (14, 5, 15, 1) = (\alpha^8, \alpha^9, \alpha^6, 1)
                                                                                 P_{4252} = (11, 8, 15, 1) = (\alpha^5, \alpha^3, \alpha^6, 1)
                                                                                 P_{4253} = (12, 8, 15, 1) = (\alpha^{14}, \alpha^3, \alpha^6, 1)
P_{4208} = (15, 5, 15, 1) = (\alpha^6, \alpha^9, \alpha^6, 1)
P_{4209} = (0, 6, 15, 1) = (0, \alpha^{13}, \alpha^6, 1)
                                                                                 P_{4254} = (13, 8, 15, 1) = (\alpha^{11}, \alpha^3, \alpha^6, 1)
P_{4210} = (1, 6, 15, 1) = (1, \alpha^{13}, \alpha^{6}, 1)
                                                                                 P_{4255} = (14, 8, 15, 1) = (\alpha^8, \alpha^3, \alpha^6, 1)
P_{4211} = (2, 6, 15, 1) = (\alpha, \alpha^{13}, \alpha^{6}, 1)
                                                                                 P_{4256} = (15, 8, 15, 1) = (\alpha^6, \alpha^3, \alpha^6, 1)
P_{4212} = (3, 6, 15, 1) = (\alpha^{12}, \alpha^{13}, \alpha^{6}, 1)
                                                                                 P_{4257} = (0, 9, 15, 1) = (0, \alpha^4, \alpha^6, 1)
P_{4213} = (4, 6, 15, 1) = (\alpha^2, \alpha^{13}, \alpha^6, 1)
                                                                                 P_{4258} = (1, 9, 15, 1) = (1, \alpha^4, \alpha^6, 1)
P_{4214} = (5, 6, 15, 1) = (\alpha^9, \alpha^{13}, \alpha^6, 1)
                                                                                 P_{4259} = (2, 9, 15, 1) = (\alpha, \alpha^4, \alpha^6, 1)
P_{4215} = (6, 6, 15, 1) = (\alpha^{13}, \alpha^{13}, \alpha^{6}, 1)
                                                                                 P_{4260} = (3, 9, 15, 1) = (\alpha^{12}, \alpha^4, \alpha^6, 1)
P_{4216} = (7, 6, 15, 1) = (\alpha^7, \alpha^{13}, \alpha^6, 1)
                                                                                 P_{4261} = (4, 9, 15, 1) = (\alpha^2, \alpha^4, \alpha^6, 1)
P_{4217} = (8, 6, 15, 1) = (\alpha^3, \alpha^{13}, \alpha^6, 1)
                                                                                 P_{4262} = (5, 9, 15, 1) = (\alpha^9, \alpha^4, \alpha^6, 1)
P_{4218} = (9, 6, 15, 1) = (\alpha^4, \alpha^{13}, \alpha^6, 1)
                                                                                 P_{4263} = (6, 9, 15, 1) = (\alpha^{13}, \alpha^4, \alpha^6, 1)
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P_{4309} = (4, 12, 15, 1) = (\alpha^2, \alpha^{14}, \alpha^6, 1)
P_{4264} = (7, 9, 15, 1) = (\alpha^7, \alpha^4, \alpha^6, 1)
P_{4265} = (8, 9, 15, 1) = (\alpha^3, \alpha^4, \alpha^6, 1)
                                                                                  P_{4310} = (5, 12, 15, 1) = (\alpha^9, \alpha^{14}, \alpha^6, 1)
P_{4266} = (9, 9, 15, 1) = (\alpha^4, \alpha^4, \alpha^6, 1)
                                                                                 P_{4311} = (6, 12, 15, 1) = (\alpha^{13}, \alpha^{14}, \alpha^{6}, 1)
P_{4267} = (10, 9, 15, 1) = (\alpha^{10}, \alpha^4, \alpha^6, 1)
                                                                                 P_{4312} = (7, 12, 15, 1) = (\alpha^7, \alpha^{14}, \alpha^6, 1)
P_{4268} = (11, 9, 15, 1) = (\alpha^5, \alpha^4, \alpha^6, 1)
                                                                                 P_{4313} = (8, 12, 15, 1) = (\alpha^3, \alpha^{14}, \alpha^6, 1)
                                                                                 P_{4314} = (9, 12, 15, 1) = (\alpha^4, \alpha^{14}, \alpha^6, 1)
P_{4269} = (12, 9, 15, 1) = (\alpha^{14}, \alpha^4, \alpha^6, 1)
                                                                                 P_{4315} = (10, 12, 15, 1) = (\alpha^{10}, \alpha^{14}, \alpha^{6}, 1)
P_{4270} = (13, 9, 15, 1) = (\alpha^{11}, \alpha^4, \alpha^6, 1)
P_{4271} = (14, 9, 15, 1) = (\alpha^8, \alpha^4, \alpha^6, 1)
                                                                                 P_{4316} = (11, 12, 15, 1) = (\alpha^5, \alpha^{14}, \alpha^6, 1)
P_{4272} = (15, 9, 15, 1) = (\alpha^6, \alpha^4, \alpha^6, 1)
                                                                                 P_{4317} = (12, 12, 15, 1) = (\alpha^{14}, \alpha^{14}, \alpha^{6}, 1)
                                                                                 P_{4318} = (13, 12, 15, 1) = (\alpha^{11}, \alpha^{14}, \alpha^{6}, 1)
P_{4273} = (0, 10, 15, 1) = (0, \alpha^{10}, \alpha^{6}, 1)
P_{4274} = (1, 10, 15, 1) = (1, \alpha^{10}, \alpha^{6}, 1)
                                                                                 P_{4319} = (14, 12, 15, 1) = (\alpha^8, \alpha^{14}, \alpha^6, 1)
P_{4275} = (2, 10, 15, 1) = (\alpha, \alpha^{10}, \alpha^{6}, 1)
                                                                                 P_{4320} = (15, 12, 15, 1) = (\alpha^6, \alpha^{14}, \alpha^6, 1)
P_{4276} = (3, 10, 15, 1) = (\alpha^{12}, \alpha^{10}, \alpha^{6}, 1)
                                                                                 P_{4321} = (0, 13, 15, 1) = (0, \alpha^{11}, \alpha^6, 1)
P_{4277} = (4, 10, 15, 1) = (\alpha^2, \alpha^{10}, \alpha^6, 1)
                                                                                 P_{4322} = (1, 13, 15, 1) = (1, \alpha^{11}, \alpha^6, 1)
                                                                                 P_{4323} = (2, 13, 15, 1) = (\alpha, \alpha^{11}, \alpha^6, 1)
P_{4278} = (5, 10, 15, 1) = (\alpha^9, \alpha^{10}, \alpha^6, 1)
P_{4279} = (6, 10, 15, 1) = (\alpha^{13}, \alpha^{10}, \alpha^{6}, 1)
                                                                                 P_{4324} = (3, 13, 15, 1) = (\alpha^{12}, \alpha^{11}, \alpha^{6}, 1)
P_{4280} = (7, 10, 15, 1) = (\alpha^7, \alpha^{10}, \alpha^6, 1)
                                                                                 P_{4325} = (4, 13, 15, 1) = (\alpha^2, \alpha^{11}, \alpha^6, 1)
P_{4281} = (8, 10, 15, 1) = (\alpha^3, \alpha^{10}, \alpha^6, 1)
                                                                                 P_{4326} = (5, 13, 15, 1) = (\alpha^9, \alpha^{11}, \alpha^6, 1)
P_{4282} = (9, 10, 15, 1) = (\alpha^4, \alpha^{10}, \alpha^6, 1)
                                                                                 P_{4327} = (6, 13, 15, 1) = (\alpha^{13}, \alpha^{11}, \alpha^{6}, 1)
P_{4283} = (10, 10, 15, 1) = (\alpha^{10}, \alpha^{10}, \alpha^{6}, 1)
                                                                                 P_{4328} = (7, 13, 15, 1) = (\alpha^7, \alpha^{11}, \alpha^6, 1)
P_{4284} = (11, 10, 15, 1) = (\alpha^5, \alpha^{10}, \alpha^6, 1)
                                                                                 P_{4329} = (8, 13, 15, 1) = (\alpha^3, \alpha^{11}, \alpha^6, 1)
                                                                                 P_{4330} = (9, 13, 15, 1) = (\alpha^4, \alpha^{11}, \alpha^6, 1)
P_{4285} = (12, 10, 15, 1) = (\alpha^{14}, \alpha^{10}, \alpha^{6}, 1)
P_{4286} = (13, 10, 15, 1) = (\alpha^{11}, \alpha^{10}, \alpha^6, 1)
                                                                                 P_{4331} = (10, 13, 15, 1) = (\alpha^{10}, \alpha^{11}, \alpha^{6}, 1)
P_{4287} = (14, 10, 15, 1) = (\alpha^8, \alpha^{10}, \alpha^6, 1)
                                                                                 P_{4332} = (11, 13, 15, 1) = (\alpha^5, \alpha^{11}, \alpha^6, 1)
P_{4288} = (15, 10, 15, 1) = (\alpha^6, \alpha^{10}, \alpha^6, 1)
                                                                                 P_{4333} = (12, 13, 15, 1) = (\alpha^{14}, \alpha^{11}, \alpha^{6}, 1)
                                                                                 P_{4334} = (13, 13, 15, 1) = (\alpha^{11}, \alpha^{11}, \alpha^{6}, 1)
P_{4289} = (0, 11, 15, 1) = (0, \alpha^5, \alpha^6, 1)
P_{4290} = (1, 11, 15, 1) = (1, \alpha^5, \alpha^6, 1)
                                                                                 P_{4335} = (14, 13, 15, 1) = (\alpha^8, \alpha^{11}, \alpha^6, 1)
                                                                                 P_{4336} = (15, 13, 15, 1) = (\alpha^6, \alpha^{11}, \alpha^6, 1)
P_{4291} = (2, 11, 15, 1) = (\alpha, \alpha^5, \alpha^6, 1)
P_{4292} = (3, 11, 15, 1) = (\alpha^{12}, \alpha^5, \alpha^6, 1)
                                                                                 P_{4337} = (0, 14, 15, 1) = (0, \alpha^8, \alpha^6, 1)
P_{4293} = (4, 11, 15, 1) = (\alpha^2, \alpha^5, \alpha^6, 1)
                                                                                 P_{4338} = (1, 14, 15, 1) = (1, \alpha^8, \alpha^6, 1)
                                                                                 P_{4339} = (2, 14, 15, 1) = (\alpha, \alpha^8, \alpha^6, 1)
P_{4294} = (5, 11, 15, 1) = (\alpha^9, \alpha^5, \alpha^6, 1)
P_{4295} = (6, 11, 15, 1) = (\alpha^{13}, \alpha^5, \alpha^6, 1)
                                                                                 P_{4340} = (3, 14, 15, 1) = (\alpha^{12}, \alpha^8, \alpha^6, 1)
P_{4296} = (7, 11, 15, 1) = (\alpha^7, \alpha^5, \alpha^6, 1)
                                                                                 P_{4341} = (4, 14, 15, 1) = (\alpha^2, \alpha^8, \alpha^6, 1)
P_{4297} = (8, 11, 15, 1) = (\alpha^3, \alpha^5, \alpha^6, 1)
                                                                                 P_{4342} = (5, 14, 15, 1) = (\alpha^9, \alpha^8, \alpha^6, 1)
P_{4298} = (9, 11, 15, 1) = (\alpha^4, \alpha^5, \alpha^6, 1)
                                                                                 P_{4343} = (6, 14, 15, 1) = (\alpha^{13}, \alpha^8, \alpha^6, 1)
P_{4299} = (10, 11, 15, 1) = (\alpha^{10}, \alpha^5, \alpha^6, 1)
                                                                                 P_{4344} = (7, 14, 15, 1) = (\alpha^7, \alpha^8, \alpha^6, 1)
P_{4300} = (11, 11, 15, 1) = (\alpha^5, \alpha^5, \alpha^6, 1)
                                                                                 P_{4345} = (8, 14, 15, 1) = (\alpha^3, \alpha^8, \alpha^6, 1)
P_{4301} = (12, 11, 15, 1) = (\alpha^{14}, \alpha^5, \alpha^6, 1)
                                                                                 P_{4346} = (9, 14, 15, 1) = (\alpha^4, \alpha^8, \alpha^6, 1)
P_{4302} = (13, 11, 15, 1) = (\alpha^{11}, \alpha^5, \alpha^6, 1)
                                                                                 P_{4347} = (10, 14, 15, 1) = (\alpha^{10}, \alpha^{8}, \alpha^{6}, 1)
                                                                                 P_{4348} = (11, 14, 15, 1) = (\alpha^5, \alpha^8, \alpha^6, 1)
P_{4303} = (14, 11, 15, 1) = (\alpha^8, \alpha^5, \alpha^6, 1)
P_{4304} = (15, 11, 15, 1) = (\alpha^6, \alpha^5, \alpha^6, 1)
                                                                                 P_{4349} = (12, 14, 15, 1) = (\alpha^{14}, \alpha^{8}, \alpha^{6}, 1)
                                                                                 P_{4350} = (13, 14, 15, 1) = (\alpha^{11}, \alpha^8, \alpha^6, 1)
P_{4305} = (0, 12, 15, 1) = (0, \alpha^{14}, \alpha^6, 1)
P_{4306} = (1, 12, 15, 1) = (1, \alpha^{14}, \alpha^{6}, 1)
                                                                                 P_{4351} = (14, 14, 15, 1) = (\alpha^8, \alpha^8, \alpha^6, 1)
P_{4307} = (2, 12, 15, 1) = (\alpha, \alpha^{14}, \alpha^{6}, 1)
                                                                                 P_{4352} = (15, 14, 15, 1) = (\alpha^6, \alpha^8, \alpha^6, 1)
P_{4308} = (3, 12, 15, 1) = (\alpha^{12}, \alpha^{14}, \alpha^{6}, 1)
                                                                                 P_{4353} = (0, 15, 15, 1) = (0, \alpha^6, \alpha^6, 1)
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\begin{array}{lll} P_{4354} = (1,15,15,1) = (1,\alpha^6,\alpha^6,1) & P_{4362} = (9,15,15,1) = (\alpha^4,\alpha^6,\alpha^6,1) \\ P_{4355} = (2,15,15,1) = (\alpha,\alpha^6,\alpha^6,1) & P_{4363} = (10,15,15,1) = (\alpha^{10},\alpha^6,\alpha^6,1) \\ P_{4356} = (3,15,15,1) = (\alpha^{12},\alpha^6,\alpha^6,1) & P_{4364} = (11,15,15,1) = (\alpha^5,\alpha^6,\alpha^6,1) \\ P_{4357} = (4,15,15,1) = (\alpha^2,\alpha^6,\alpha^6,1) & P_{4365} = (12,15,15,1) = (\alpha^{14},\alpha^6,\alpha^6,1) \\ P_{4358} = (5,15,15,1) = (\alpha^9,\alpha^6,\alpha^6,1) & P_{4366} = (13,15,15,1) = (\alpha^{11},\alpha^6,\alpha^6,1) \\ P_{4369} = (7,15,15,1) = (\alpha^7,\alpha^6,\alpha^6,1) & P_{4367} = (14,15,15,1) = (\alpha^8,\alpha^6,\alpha^6,1) \\ P_{4361} = (8,15,15,1) = (\alpha^3,\alpha^6,\alpha^6,1) & P_{4368} = (15,15,15,1) = (\alpha^6,\alpha^6,\alpha^6,1) \end{array}
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Baer subgeometry:

There are 85 elements in the Baer subgeometry. Normalized from the left:

```
P_{24} = (1, 0, 15, 0)
                               P_{69} = (1, 13, 12, 0)
                                                               P_{114} = (1, 8, 5, 0)
                                                                                               P_{159} = (1, 9, 2, 0)
P_{25} = (1, 0, 4, 0)
                               P_{70} = (1, 1, 8, 0)
                                                               P_{115} = (0, 1, 4, 0)
                                                                                               P_{160} = (1, 7, 9, 0)
P_{26} = (1, 0, 14, 0)
                               P_{71} = (1, 10, 6, 0)
                                                               P_{116} = (1, 6, 1, 0)
                                                                                               P_{161} = (1, 10, 7, 0)
P_{27} = (1, 0, 3, 0)
                               P_{72} = (1, 8, 15, 0)
                                                               P_{117} = (1, 3, 12, 0)
                                                                                               P_{162} = (1, 3, 5, 0)
P_{28} = (1, 0, 13, 0)
                               P_{73} = (1, 12, 4, 0)
                                                               P_{118} = (1, 2, 8, 0)
                                                                                               P_{163} = (0, 1, 13, 0)
                               P_{74} = (1, 11, 14, 0)
                                                                                               P_{164} = (1, 9, 1, 0)
P_{29} = (1, 0, 11, 0)
                                                               P_{119} = (1, 13, 6, 0)
P_{30} = (1, 0, 10, 0)
                               P_{75} = (1, 5, 3, 0)
                                                               P_{120} = (1, 9, 15, 0)
                                                                                               P_{165} = (1, 8, 12, 0)
                               P_{76} = (1, 14, 13, 0)
P_{31} = (1, 0, 2, 0)
                                                               P_{121} = (1, 1, 4, 0)
                                                                                               P_{166} = (1, 7, 8, 0)
P_{32} = (1, 0, 9, 0)
                               P_{77} = (1, 4, 11, 0)
                                                               P_{122} = (1, 15, 14, 0)
                                                                                               P_{167} = (1, 4, 6, 0)
P_{33} = (1, 0, 7, 0)
                               P_{78} = (1, 7, 10, 0)
                                                               P_{123} = (1, 10, 3, 0)
                                                                                               P_{168} = (1, 10, 15, 0)
P_{34} = (1, 0, 5, 0)
                               P_{79} = (1, 6, 2, 0)
                                                               P_{124} = (1, 5, 13, 0)
                                                                                               P_{169} = (1, 15, 4, 0)
P_{35} = (0, 1, 1, 0)
                               P_{80} = (1, 2, 9, 0)
                                                               P_{125} = (1, 8, 11, 0)
                                                                                               P_{170} = (1, 3, 14, 0)
P_{36} = (1, 1, 1, 0)
                               P_{81} = (1, 9, 7, 0)
                                                               P_{126} = (1, 14, 10, 0)
                                                                                               P_{171} = (1, 2, 3, 0)
P_{37} = (1, 12, 12, 0)
                               P_{82} = (1, 15, 5, 0)
                                                               P_{127} = (1, 12, 2, 0)
                                                                                               P_{172} = (1, 1, 13, 0)
P_{38} = (1, 8, 8, 0)
                               P_{83} = (0, 1, 6, 0)
                                                               P_{128} = (1, 4, 9, 0)
                                                                                               P_{173} = (1, 5, 11, 0)
P_{39} = (1, 6, 6, 0)
                               P_{84} = (1, 4, 1, 0)
                                                               P_{129} = (1, 11, 7, 0)
                                                                                               P_{174} = (1, 12, 10, 0)
P_{40} = (1, 15, 15, 0)
                               P_{85} = (1, 2, 12, 0)
                                                               P_{130} = (1, 7, 5, 0)
                                                                                               P_{175} = (1, 11, 2, 0)
                                                               P_{131} = (0, 1, 14, 0)
P_{41} = (1, 4, 4, 0)
                               P_{86} = (1, 11, 8, 0)
                                                                                               P_{176} = (1, 14, 9, 0)
                                                                                               P_{177} = (1, 13, 7, 0)
P_{42} = (1, 14, 14, 0)
                               P_{87} = (1, 1, 6, 0)
                                                               P_{132} = (1, 7, 1, 0)
P_{43} = (1, 3, 3, 0)
                                                               P_{133} = (1, 15, 12, 0)
                               P_{88} = (1, 14, 15, 0)
                                                                                               P_{178} = (1, 6, 5, 0)
P_{44} = (1, 13, 13, 0)
                               P_{89} = (1, 9, 4, 0)
                                                                                               P_{179} = (0, 1, 11, 0)
                                                               P_{134} = (1, 10, 8, 0)
                                                                                               P_{180} = (1, 10, 1, 0)
P_{45} = (1, 11, 11, 0)
                               P_{90} = (1, 10, 14, 0)
                                                               P_{135} = (1, 11, 6, 0)
P_{46} = (1, 10, 10, 0)
                               P_{91} = (1, 12, 3, 0)
                                                               P_{136} = (1, 6, 15, 0)
                                                                                               P_{181} = (1, 5, 12, 0)
P_{47} = (1, 2, 2, 0)
                               P_{92} = (1, 6, 13, 0)
                                                               P_{137} = (1, 5, 4, 0)
                                                                                               P_{182} = (1, 6, 8, 0)
                                                               P_{138} = (1, 1, 14, 0)
                                                                                               P_{183} = (1, 14, 6, 0)
P_{48} = (1, 9, 9, 0)
                               P_{93} = (1, 7, 11, 0)
P_{49} = (1, 7, 7, 0)
                               P_{94} = (1, 3, 10, 0)
                                                               P_{139} = (1, 9, 3, 0)
                                                                                               P_{184} = (1, 2, 15, 0)
P_{50} = (1, 5, 5, 0)
                               P_{95} = (1, 8, 2, 0)
                                                                                               P_{185} = (1, 3, 4, 0)
                                                               P_{140} = (1, 8, 13, 0)
P_{51} = (0, 1, 12, 0)
                               P_{96} = (1, 15, 9, 0)
                                                                                               P_{186} = (1, 8, 14, 0)
                                                               P_{141} = (1, 3, 11, 0)
P_{52} = (1, 2, 1, 0)
                                                               P_{142} = (1, 4, 10, 0)
                                                                                               P_{187} = (1, 7, 3, 0)
                               P_{97} = (1, 5, 7, 0)
                                                               P_{143} = (1, 14, 2, 0)
                                                                                               P_{188} = (1, 15, 13, 0)
P_{53} = (1, 1, 12, 0)
                               P_{98} = (1, 13, 5, 0)
P_{54} = (1, 9, 8, 0)
                                                                                               P_{189} = (1, 1, 11, 0)
                               P_{99} = (0, 1, 15, 0)
                                                               P_{144} = (1, 13, 9, 0)
P_{55} = (1, 12, 6, 0)
                               P_{100} = (1, 5, 1, 0)
                                                               P_{145} = (1, 12, 7, 0)
                                                                                               P_{190} = (1, 11, 10, 0)
                                                                                               P_{191} = (1, 13, 2, 0)
P_{56} = (1, 7, 15, 0)
                               P_{101} = (1, 14, 12, 0)
                                                               P_{146} = (1, 2, 5, 0)
P_{57} = (1, 8, 4, 0)
                               P_{102} = (1, 3, 8, 0)
                                                               P_{147} = (0, 1, 3, 0)
                                                                                               P_{192} = (1, 12, 9, 0)
P_{58} = (1, 5, 14, 0)
                                                               P_{148} = (1, 8, 1, 0)
                               P_{103} = (1, 7, 6, 0)
                                                                                               P_{193} = (1, 4, 7, 0)
P_{59} = (1, 6, 3, 0)
                                                                                               P_{194} = (1, 9, 5, 0)
                               P_{104} = (1, 1, 15, 0)
                                                               P_{149} = (1, 4, 12, 0)
P_{60} = (1, 3, 13, 0)
                               P_{105} = (1, 13, 4, 0)
                                                               P_{150} = (1, 15, 8, 0)
                                                                                               P_{195} = (0, 1, 10, 0)
P_{61} = (1, 15, 11, 0)
                               P_{106} = (1, 4, 14, 0)
                                                               P_{151} = (1, 2, 6, 0)
                                                                                               P_{196} = (1, 11, 1, 0)
P_{62} = (1, 13, 10, 0)
                               P_{107} = (1, 15, 3, 0)
                                                               P_{152} = (1, 5, 15, 0)
                                                                                               P_{197} = (1, 9, 12, 0)
P_{63} = (1, 4, 2, 0)
                               P_{108} = (1, 11, 13, 0)
                                                               P_{153} = (1, 11, 4, 0)
                                                                                               P_{198} = (1, 14, 8, 0)
P_{64} = (1, 11, 9, 0)
                               P_{109} = (1, 12, 11, 0)
                                                               P_{154} = (1, 13, 14, 0)
                                                                                               P_{199} = (1, 8, 6, 0)
P_{65} = (1, 14, 7, 0)
                               P_{110} = (1, 9, 10, 0)
                                                                                               P_{200} = (1, 13, 15, 0)
                                                               P_{155} = (1, 1, 3, 0)
P_{66} = (1, 10, 5, 0)
                               P_{111} = (1, 10, 2, 0)
                                                               P_{156} = (1, 12, 13, 0)
                                                                                               P_{201} = (1, 7, 4, 0)
P_{67} = (0, 1, 8, 0)
                               P_{112} = (1, 6, 9, 0)
                                                               P_{157} = (1, 14, 11, 0)
                                                                                               P_{202} = (1, 6, 14, 0)
P_{68} = (1, 3, 1, 0)
                               P_{113} = (1, 2, 7, 0)
                                                               P_{158} = (1, 6, 10, 0)
                                                                                               P_{203} = (1, 4, 3, 0)
```

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P_{204} = (1, 2, 13, 0)
                               P_{249} = (1, 10, 4, 0)
                                                               P_{294} = (1, 6, 0, 6)
                                                                                               P_{339} = (1, 4, 0, 1)
P_{205} = (1, 10, 11, 0)
                               P_{250} = (1, 2, 14, 0)
                                                               P_{295} = (1, 15, 0, 15)
                                                                                               P_{340} = (1, 2, 0, 12)
P_{206} = (1, 1, 10, 0)
                               P_{251} = (1, 11, 3, 0)
                                                               P_{296} = (1, 4, 0, 4)
                                                                                               P_{341} = (1, 11, 0, 8)
                               P_{252} = (1, 9, 13, 0)
                                                               P_{297} = (1, 14, 0, 14)
                                                                                               P_{342} = (1, 1, 0, 6)
P_{207} = (1, 15, 2, 0)
P_{208} = (1, 5, 9, 0)
                               P_{253} = (1, 6, 11, 0)
                                                               P_{298} = (1, 3, 0, 3)
                                                                                               P_{343} = (1, 14, 0, 15)
P_{209} = (1, 3, 7, 0)
                                                                                               P_{344} = (1, 9, 0, 4)
                               P_{254} = (1, 8, 10, 0)
                                                               P_{299} = (1, 13, 0, 13)
P_{210} = (1, 12, 5, 0)
                               P_{255} = (1, 5, 2, 0)
                                                               P_{300} = (1, 11, 0, 11)
                                                                                               P_{345} = (1, 10, 0, 14)
P_{211} = (0, 1, 2, 0)
                               P_{256} = (1, 3, 9, 0)
                                                               P_{301} = (1, 10, 0, 10)
                                                                                               P_{346} = (1, 12, 0, 3)
                               P_{257} = (1, 1, 7, 0)
P_{212} = (1, 12, 1, 0)
                                                               P_{302} = (1, 2, 0, 2)
                                                                                               P_{347} = (1, 6, 0, 13)
                               P_{258} = (1, 4, 5, 0)
                                                               P_{303} = (1, 9, 0, 9)
P_{213} = (1, 6, 12, 0)
                                                                                               P_{348} = (1, 7, 0, 11)
P_{214} = (1, 4, 8, 0)
                               P_{259} = (0, 1, 5, 0)
                                                               P_{304} = (1, 7, 0, 7)
                                                                                               P_{349} = (1, 3, 0, 10)
P_{215} = (1, 3, 6, 0)
                               P_{260} = (1, 15, 1, 0)
                                                               P_{305} = (1, 5, 0, 5)
                                                                                               P_{350} = (1, 8, 0, 2)
P_{216} = (1, 11, 15, 0)
                               P_{261} = (1, 11, 12, 0)
                                                               P_{306} = (0, 1, 0, 12)
                                                                                               P_{351} = (1, 15, 0, 9)
                               P_{262} = (1, 5, 8, 0)
P_{217} = (1, 2, 4, 0)
                                                               P_{307} = (1, 2, 0, 1)
                                                                                               P_{352} = (1, 5, 0, 7)
P_{218} = (1, 7, 14, 0)
                               P_{263} = (1, 9, 6, 0)
                                                               P_{308} = (1, 1, 0, 12)
                                                                                               P_{353} = (1, 13, 0, 5)
P_{219} = (1, 13, 3, 0)
                               P_{264} = (1, 3, 15, 0)
                                                               P_{309} = (1, 9, 0, 8)
                                                                                               P_{354} = (0, 1, 0, 15)
                               P_{265} = (1, 14, 4, 0)
                                                                                               P_{355} = (1, 5, 0, 1)
P_{220} = (1, 10, 13, 0)
                                                               P_{310} = (1, 12, 0, 6)
                                                               P_{311} = (1, 7, 0, 15)
P_{221} = (1, 9, 11, 0)
                               P_{266} = (1, 12, 14, 0)
                                                                                               P_{356} = (1, 14, 0, 12)
                                                               P_{312} = (1, 8, 0, 4)
P_{222} = (1, 5, 10, 0)
                               P_{267} = (1, 8, 3, 0)
                                                                                               P_{357} = (1, 3, 0, 8)
P_{223} = (1, 1, 2, 0)
                                                               P_{313} = (1, 5, 0, 14)
                                                                                               P_{358} = (1, 7, 0, 6)
                               P_{268} = (1, 4, 13, 0)
P_{224} = (1, 8, 9, 0)
                               P_{269} = (1, 13, 11, 0)
                                                               P_{314} = (1, 6, 0, 3)
                                                                                               P_{359} = (1, 1, 0, 15)
P_{225} = (1, 15, 7, 0)
                               P_{270} = (1, 2, 10, 0)
                                                               P_{315} = (1, 3, 0, 13)
                                                                                               P_{360} = (1, 13, 0, 4)
                                                               P_{316} = (1, 15, 0, 11)
P_{226} = (1, 14, 5, 0)
                               P_{271} = (1, 7, 2, 0)
                                                                                               P_{361} = (1, 4, 0, 14)
P_{227} = (0, 1, 9, 0)
                               P_{272} = (1, 10, 9, 0)
                                                               P_{317} = (1, 13, 0, 10)
                                                                                               P_{362} = (1, 15, 0, 3)
                               P_{273} = (1, 6, 7, 0)
                                                               P_{318} = (1, 4, 0, 2)
P_{228} = (1, 13, 1, 0)
                                                                                               P_{363} = (1, 11, 0, 13)
P_{229} = (1, 10, 12, 0)
                               P_{274} = (1, 1, 5, 0)
                                                               P_{319} = (1, 11, 0, 9)
                                                                                               P_{364} = (1, 12, 0, 11)
                               P_{275} = (1, 0, 0, 1)
P_{230} = (1, 12, 8, 0)
                                                               P_{320} = (1, 14, 0, 7)
                                                                                               P_{365} = (1, 9, 0, 10)
P_{231} = (1, 5, 6, 0)
                               P_{276} = (1, 0, 0, 12)
                                                               P_{321} = (1, 10, 0, 5)
                                                                                               P_{366} = (1, 10, 0, 2)
                               P_{277} = (1, 0, 0, 8)
                                                               P_{322} = (0, 1, 0, 8)
                                                                                               P_{367} = (1, 6, 0, 9)
P_{232} = (1, 4, 15, 0)
P_{233} = (1, 6, 4, 0)
                               P_{278} = (1, 0, 0, 6)
                                                               P_{323} = (1, 3, 0, 1)
                                                                                               P_{368} = (1, 2, 0, 7)
P_{234} = (1, 9, 14, 0)
                                                               P_{324} = (1, 13, 0, 12)
                                                                                               P_{369} = (1, 8, 0, 5)
                               P_{279} = (1, 0, 0, 15)
P_{235} = (1, 14, 3, 0)
                               P_{280} = (1, 0, 0, 4)
                                                               P_{325} = (1, 1, 0, 8)
                                                                                               P_{370} = (0, 1, 0, 4)
P_{236} = (1, 7, 13, 0)
                               P_{281} = (1, 0, 0, 14)
                                                               P_{326} = (1, 10, 0, 6)
                                                                                               P_{371} = (1, 6, 0, 1)
P_{237} = (1, 2, 11, 0)
                               P_{282} = (1, 0, 0, 3)
                                                               P_{327} = (1, 8, 0, 15)
                                                                                               P_{372} = (1, 3, 0, 12)
P_{238} = (1, 15, 10, 0)
                               P_{283} = (1, 0, 0, 13)
                                                               P_{328} = (1, 12, 0, 4)
                                                                                               P_{373} = (1, 2, 0, 8)
P_{239} = (1, 3, 2, 0)
                               P_{284} = (1, 0, 0, 11)
                                                               P_{329} = (1, 11, 0, 14)
                                                                                               P_{374} = (1, 13, 0, 6)
                                                               P_{330} = (1, 5, 0, 3)
P_{240} = (1, 1, 9, 0)
                               P_{285} = (1, 0, 0, 10)
                                                                                               P_{375} = (1, 9, 0, 15)
P_{241} = (1, 8, 7, 0)
                               P_{286} = (1, 0, 0, 2)
                                                               P_{331} = (1, 14, 0, 13)
                                                                                               P_{376} = (1, 1, 0, 4)
P_{242} = (1, 11, 5, 0)
                               P_{287} = (1, 0, 0, 9)
                                                               P_{332} = (1, 4, 0, 11)
                                                                                               P_{377} = (1, 15, 0, 14)
P_{243} = (0, 1, 7, 0)
                               P_{288} = (1, 0, 0, 7)
                                                               P_{333} = (1, 7, 0, 10)
                                                                                               P_{378} = (1, 10, 0, 3)
P_{244} = (1, 14, 1, 0)
                               P_{289} = (1, 0, 0, 5)
                                                               P_{334} = (1, 6, 0, 2)
                                                                                               P_{379} = (1, 5, 0, 13)
P_{245} = (1, 7, 12, 0)
                               P_{290} = (0, 1, 0, 1)
                                                               P_{335} = (1, 2, 0, 9)
                                                                                               P_{380} = (1, 8, 0, 11)
P_{246} = (1, 13, 8, 0)
                               P_{291} = (1, 1, 0, 1)
                                                               P_{336} = (1, 9, 0, 7)
                                                                                               P_{381} = (1, 14, 0, 10)
P_{247} = (1, 15, 6, 0)
                                                               P_{337} = (1, 15, 0, 5)
                               P_{292} = (1, 12, 0, 12)
                                                                                               P_{382} = (1, 12, 0, 2)
P_{248} = (1, 12, 15, 0)
                               P_{293} = (1, 8, 0, 8)
                                                               P_{338} = (0, 1, 0, 6)
                                                                                               P_{383} = (1, 4, 0, 9)
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P_{384} = (1, 11, 0, 7)
                               P_{429} = (1, 12, 0, 10)
                                                               P_{474} = (1, 13, 0, 3)
                                                                                               P_{519} = (1, 3, 0, 15)
                                                               P_{475} = (1, 10, 0, 13)
P_{385} = (1, 7, 0, 5)
                               P_{430} = (1, 11, 0, 2)
                                                                                               P_{520} = (1, 14, 0, 4)
P_{386} = (0, 1, 0, 14)
                               P_{431} = (1, 14, 0, 9)
                                                               P_{476} = (1, 9, 0, 11)
                                                                                               P_{521} = (1, 12, 0, 14)
P_{387} = (1, 7, 0, 1)
                               P_{432} = (1, 13, 0, 7)
                                                               P_{477} = (1, 5, 0, 10)
                                                                                               P_{522} = (1, 8, 0, 3)
P_{388} = (1, 15, 0, 12)
                               P_{433} = (1, 6, 0, 5)
                                                               P_{478} = (1, 1, 0, 2)
                                                                                               P_{523} = (1, 4, 0, 13)
                               P_{434} = (0, 1, 0, 11)
                                                               P_{479} = (1, 8, 0, 9)
                                                                                               P_{524} = (1, 13, 0, 11)
P_{389} = (1, 10, 0, 8)
P_{390} = (1, 11, 0, 6)
                               P_{435} = (1, 10, 0, 1)
                                                               P_{480} = (1, 15, 0, 7)
                                                                                               P_{525} = (1, 2, 0, 10)
P_{391} = (1, 6, 0, 15)
                               P_{436} = (1, 5, 0, 12)
                                                               P_{481} = (1, 14, 0, 5)
                                                                                               P_{526} = (1, 7, 0, 2)
P_{392} = (1, 5, 0, 4)
                               P_{437} = (1, 6, 0, 8)
                                                               P_{482} = (0, 1, 0, 9)
                                                                                               P_{527} = (1, 10, 0, 9)
                               P_{438} = (1, 14, 0, 6)
                                                               P_{483} = (1, 13, 0, 1)
                                                                                               P_{528} = (1, 6, 0, 7)
P_{393} = (1, 1, 0, 14)
P_{394} = (1, 9, 0, 3)
                               P_{439} = (1, 2, 0, 15)
                                                               P_{484} = (1, 10, 0, 12)
                                                                                               P_{529} = (1, 1, 0, 5)
P_{395} = (1, 8, 0, 13)
                               P_{440} = (1, 3, 0, 4)
                                                               P_{485} = (1, 12, 0, 8)
                                                                                               P_{530} = (0, 0, 1, 1)
P_{396} = (1, 3, 0, 11)
                               P_{441} = (1, 8, 0, 14)
                                                               P_{486} = (1, 5, 0, 6)
                                                                                               P_{531} = (1, 0, 1, 1)
P_{397} = (1, 4, 0, 10)
                               P_{442} = (1, 7, 0, 3)
                                                               P_{487} = (1, 4, 0, 15)
                                                                                               P_{532} = (1, 0, 12, 12)
P_{398} = (1, 14, 0, 2)
                               P_{443} = (1, 15, 0, 13)
                                                               P_{488} = (1, 6, 0, 4)
                                                                                               P_{533} = (1, 0, 8, 8)
P_{399} = (1, 13, 0, 9)
                               P_{444} = (1, 1, 0, 11)
                                                               P_{489} = (1, 9, 0, 14)
                                                                                               P_{534} = (1, 0, 6, 6)
                               P_{445} = (1, 11, 0, 10)
                                                                                               P_{535} = (1, 0, 15, 15)
P_{400} = (1, 12, 0, 7)
                                                               P_{490} = (1, 14, 0, 3)
P_{401} = (1, 2, 0, 5)
                               P_{446} = (1, 13, 0, 2)
                                                               P_{491} = (1, 7, 0, 13)
                                                                                               P_{536} = (1, 0, 4, 4)
                                                               P_{492} = (1, 2, 0, 11)
                                                                                               P_{537} = (1, 0, 14, 14)
P_{402} = (0, 1, 0, 3)
                               P_{447} = (1, 12, 0, 9)
                                                               P_{493} = (1, 15, 0, 10)
                                                                                               P_{538} = (1, 0, 3, 3)
P_{403} = (1, 8, 0, 1)
                               P_{448} = (1, 4, 0, 7)
                               P_{449} = (1, 9, 0, 5)
P_{404} = (1, 4, 0, 12)
                                                               P_{494} = (1, 3, 0, 2)
                                                                                               P_{539} = (1, 0, 13, 13)
                               P_{450} = (0, 1, 0, 10)
                                                               P_{495} = (1, 1, 0, 9)
                                                                                               P_{540} = (1, 0, 11, 11)
P_{405} = (1, 15, 0, 8)
P_{406} = (1, 2, 0, 6)
                               P_{451} = (1, 11, 0, 1)
                                                               P_{496} = (1, 8, 0, 7)
                                                                                               P_{541} = (1, 0, 10, 10)
P_{407} = (1, 5, 0, 15)
                               P_{452} = (1, 9, 0, 12)
                                                               P_{497} = (1, 11, 0, 5)
                                                                                               P_{542} = (1, 0, 2, 2)
                               P_{453} = (1, 14, 0, 8)
                                                               P_{498} = (0, 1, 0, 7)
                                                                                               P_{543} = (1, 0, 9, 9)
P_{408} = (1, 11, 0, 4)
P_{409} = (1, 13, 0, 14)
                               P_{454} = (1, 8, 0, 6)
                                                               P_{499} = (1, 14, 0, 1)
                                                                                               P_{544} = (1, 0, 7, 7)
                               P_{455} = (1, 13, 0, 15)
                                                               P_{500} = (1, 7, 0, 12)
                                                                                               P_{545} = (1, 0, 5, 5)
P_{410} = (1, 1, 0, 3)
                               P_{456} = (1, 7, 0, 4)
                                                               P_{501} = (1, 13, 0, 8)
                                                                                               P_{546} = (0, 1, 1, 1)
P_{411} = (1, 12, 0, 13)
                                                               P_{502} = (1, 15, 0, 6)
                                                                                               P_{547} = (1, 12, 12, 12)
P_{412} = (1, 14, 0, 11)
                               P_{457} = (1, 6, 0, 14)
P_{413} = (1, 6, 0, 10)
                               P_{458} = (1, 4, 0, 3)
                                                               P_{503} = (1, 12, 0, 15)
                                                                                               P_{548} = (1, 8, 8, 8)
                               P_{459} = (1, 2, 0, 13)
                                                                                               P_{549} = (1, 6, 6, 6)
P_{414} = (1, 9, 0, 2)
                                                               P_{504} = (1, 10, 0, 4)
P_{415} = (1, 7, 0, 9)
                               P_{460} = (1, 10, 0, 11)
                                                               P_{505} = (1, 2, 0, 14)
                                                                                               P_{550} = (1, 15, 15, 15)
P_{416} = (1, 10, 0, 7)
                               P_{461} = (1, 1, 0, 10)
                                                               P_{506} = (1, 11, 0, 3)
                                                                                               P_{551} = (1, 4, 4, 4)
P_{417} = (1, 3, 0, 5)
                               P_{462} = (1, 15, 0, 2)
                                                               P_{507} = (1, 9, 0, 13)
                                                                                               P_{552} = (1, 14, 14, 14)
P_{418} = (0, 1, 0, 13)
                               P_{463} = (1, 5, 0, 9)
                                                               P_{508} = (1, 6, 0, 11)
                                                                                               P_{553} = (1, 3, 3, 3)
P_{419} = (1, 9, 0, 1)
                               P_{464} = (1, 3, 0, 7)
                                                               P_{509} = (1, 8, 0, 10)
                                                                                               P_{554} = (1, 13, 13, 13)
P_{420} = (1, 8, 0, 12)
                               P_{465} = (1, 12, 0, 5)
                                                               P_{510} = (1, 5, 0, 2)
                                                                                               P_{555} = (1, 11, 11, 11)
P_{421} = (1, 7, 0, 8)
                               P_{466} = (0, 1, 0, 2)
                                                               P_{511} = (1, 3, 0, 9)
                                                                                               P_{556} = (1, 10, 10, 10)
                               P_{467} = (1, 12, 0, 1)
P_{422} = (1, 4, 0, 6)
                                                               P_{512} = (1, 1, 0, 7)
                                                                                               P_{557} = (1, 2, 2, 2)
                               P_{468} = (1, 6, 0, 12)
                                                               P_{513} = (1, 4, 0, 5)
                                                                                               P_{558} = (1, 9, 9, 9)
P_{423} = (1, 10, 0, 15)
P_{424} = (1, 15, 0, 4)
                               P_{469} = (1, 4, 0, 8)
                                                               P_{514} = (0, 1, 0, 5)
                                                                                               P_{559} = (1, 7, 7, 7)
                                                                                               P_{560} = (1, 5, 5, 5)
P_{425} = (1, 3, 0, 14)
                               P_{470} = (1, 3, 0, 6)
                                                               P_{515} = (1, 15, 0, 1)
P_{426} = (1, 2, 0, 3)
                               P_{471} = (1, 11, 0, 15)
                                                               P_{516} = (1, 11, 0, 12)
                                                                                               P_{561} = (0, 1, 12, 12)
                               P_{472} = (1, 2, 0, 4)
                                                               P_{517} = (1, 5, 0, 8)
                                                                                               P_{562} = (1, 2, 1, 1)
P_{427} = (1, 1, 0, 13)
P_{428} = (1, 5, 0, 11)
                               P_{473} = (1, 7, 0, 14)
                                                               P_{518} = (1, 9, 0, 6)
                                                                                               P_{563} = (1, 1, 12, 12)
```

```
P_{564} = (1, 9, 8, 8)
                               P_{609} = (0, 1, 15, 15)
                                                              P_{654} = (1, 13, 9, 9)
                                                                                              P_{699} = (1, 1, 11, 11)
                               P_{610} = (1, 5, 1, 1)
                                                              P_{655} = (1, 12, 7, 7)
                                                                                              P_{700} = (1, 11, 10, 10)
P_{565} = (1, 12, 6, 6)
P_{566} = (1, 7, 15, 15)
                               P_{611} = (1, 14, 12, 12)
                                                              P_{656} = (1, 2, 5, 5)
                                                                                              P_{701} = (1, 13, 2, 2)
P_{567} = (1, 8, 4, 4)
                               P_{612} = (1, 3, 8, 8)
                                                              P_{657} = (0, 1, 3, 3)
                                                                                              P_{702} = (1, 12, 9, 9)
P_{568} = (1, 5, 14, 14)
                               P_{613} = (1, 7, 6, 6)
                                                              P_{658} = (1, 8, 1, 1)
                                                                                              P_{703} = (1, 4, 7, 7)
                               P_{614} = (1, 1, 15, 15)
                                                                                              P_{704} = (1, 9, 5, 5)
                                                              P_{659} = (1, 4, 12, 12)
P_{569} = (1, 6, 3, 3)
P_{570} = (1, 3, 13, 13)
                               P_{615} = (1, 13, 4, 4)
                                                              P_{660} = (1, 15, 8, 8)
                                                                                              P_{705} = (0, 1, 10, 10)
                                                                                              P_{706} = (1, 11, 1, 1)
P_{571} = (1, 15, 11, 11)
                               P_{616} = (1, 4, 14, 14)
                                                              P_{661} = (1, 2, 6, 6)
                               P_{617} = (1, 15, 3, 3)
                                                              P_{662} = (1, 5, 15, 15)
P_{572} = (1, 13, 10, 10)
                                                                                              P_{707} = (1, 9, 12, 12)
P_{573} = (1, 4, 2, 2)
                               P_{618} = (1, 11, 13, 13)
                                                              P_{663} = (1, 11, 4, 4)
                                                                                              P_{708} = (1, 14, 8, 8)
P_{574} = (1, 11, 9, 9)
                               P_{619} = (1, 12, 11, 11)
                                                              P_{664} = (1, 13, 14, 14)
                                                                                              P_{709} = (1, 8, 6, 6)
P_{575} = (1, 14, 7, 7)
                               P_{620} = (1, 9, 10, 10)
                                                              P_{665} = (1, 1, 3, 3)
                                                                                              P_{710} = (1, 13, 15, 15)
P_{576} = (1, 10, 5, 5)
                               P_{621} = (1, 10, 2, 2)
                                                              P_{666} = (1, 12, 13, 13)
                                                                                              P_{711} = (1, 7, 4, 4)
                               P_{622} = (1, 6, 9, 9)
P_{577} = (0, 1, 8, 8)
                                                              P_{667} = (1, 14, 11, 11)
                                                                                              P_{712} = (1, 6, 14, 14)
P_{578} = (1, 3, 1, 1)
                               P_{623} = (1, 2, 7, 7)
                                                              P_{668} = (1, 6, 10, 10)
                                                                                              P_{713} = (1, 4, 3, 3)
P_{579} = (1, 13, 12, 12)
                               P_{624} = (1, 8, 5, 5)
                                                              P_{669} = (1, 9, 2, 2)
                                                                                              P_{714} = (1, 2, 13, 13)
                               P_{625} = (0, 1, 4, 4)
                                                                                              P_{715} = (1, 10, 11, 11)
P_{580} = (1, 1, 8, 8)
                                                              P_{670} = (1, 7, 9, 9)
P_{581} = (1, 10, 6, 6)
                               P_{626} = (1, 6, 1, 1)
                                                              P_{671} = (1, 10, 7, 7)
                                                                                              P_{716} = (1, 1, 10, 10)
                               P_{627} = (1, 3, 12, 12)
                                                              P_{672} = (1, 3, 5, 5)
                                                                                              P_{717} = (1, 15, 2, 2)
P_{582} = (1, 8, 15, 15)
P_{583} = (1, 12, 4, 4)
                               P_{628} = (1, 2, 8, 8)
                                                              P_{673} = (0, 1, 13, 13)
                                                                                              P_{718} = (1, 5, 9, 9)
                                                                                              P_{719} = (1, 3, 7, 7)
                               P_{629} = (1, 13, 6, 6)
                                                              P_{674} = (1, 9, 1, 1)
P_{584} = (1, 11, 14, 14)
                               P_{630} = (1, 9, 15, 15)
                                                                                              P_{720} = (1, 12, 5, 5)
P_{585} = (1, 5, 3, 3)
                                                              P_{675} = (1, 8, 12, 12)
                                                                                              P_{721} = (0, 1, 2, 2)
P_{586} = (1, 14, 13, 13)
                               P_{631} = (1, 1, 4, 4)
                                                              P_{676} = (1, 7, 8, 8)
P_{587} = (1, 4, 11, 11)
                               P_{632} = (1, 15, 14, 14)
                                                              P_{677} = (1, 4, 6, 6)
                                                                                              P_{722} = (1, 12, 1, 1)
P_{588} = (1, 7, 10, 10)
                               P_{633} = (1, 10, 3, 3)
                                                              P_{678} = (1, 10, 15, 15)
                                                                                              P_{723} = (1, 6, 12, 12)
                                                                                              P_{724} = (1, 4, 8, 8)
P_{589} = (1, 6, 2, 2)
                               P_{634} = (1, 5, 13, 13)
                                                              P_{679} = (1, 15, 4, 4)
                                                                                              P_{725} = (1, 3, 6, 6)
P_{590} = (1, 2, 9, 9)
                               P_{635} = (1, 8, 11, 11)
                                                              P_{680} = (1, 3, 14, 14)
P_{591} = (1, 9, 7, 7)
                                                              P_{681} = (1, 2, 3, 3)
                                                                                              P_{726} = (1, 11, 15, 15)
                               P_{636} = (1, 14, 10, 10)
P_{592} = (1, 15, 5, 5)
                                                              P_{682} = (1, 1, 13, 13)
                                                                                              P_{727} = (1, 2, 4, 4)
                               P_{637} = (1, 12, 2, 2)
                                                              P_{683} = (1, 5, 11, 11)
                                                                                              P_{728} = (1, 7, 14, 14)
P_{593} = (0, 1, 6, 6)
                               P_{638} = (1, 4, 9, 9)
P_{594} = (1, 4, 1, 1)
                                                              P_{684} = (1, 12, 10, 10)
                                                                                              P_{729} = (1, 13, 3, 3)
                               P_{639} = (1, 11, 7, 7)
P_{595} = (1, 2, 12, 12)
                               P_{640} = (1, 7, 5, 5)
                                                              P_{685} = (1, 11, 2, 2)
                                                                                              P_{730} = (1, 10, 13, 13)
P_{596} = (1, 11, 8, 8)
                               P_{641} = (0, 1, 14, 14)
                                                              P_{686} = (1, 14, 9, 9)
                                                                                              P_{731} = (1, 9, 11, 11)
P_{597} = (1, 1, 6, 6)
                               P_{642} = (1, 7, 1, 1)
                                                              P_{687} = (1, 13, 7, 7)
                                                                                              P_{732} = (1, 5, 10, 10)
                                                              P_{688} = (1, 6, 5, 5)
                                                                                              P_{733} = (1, 1, 2, 2)
P_{598} = (1, 14, 15, 15)
                               P_{643} = (1, 15, 12, 12)
                                                              P_{689} = (0, 1, 11, 11)
                                                                                              P_{734} = (1, 8, 9, 9)
P_{599} = (1, 9, 4, 4)
                               P_{644} = (1, 10, 8, 8)
                               P_{645} = (1, 11, 6, 6)
                                                              P_{690} = (1, 10, 1, 1)
                                                                                              P_{735} = (1, 15, 7, 7)
P_{600} = (1, 10, 14, 14)
P_{601} = (1, 12, 3, 3)
                               P_{646} = (1, 6, 15, 15)
                                                              P_{691} = (1, 5, 12, 12)
                                                                                              P_{736} = (1, 14, 5, 5)
P_{602} = (1, 6, 13, 13)
                               P_{647} = (1, 5, 4, 4)
                                                              P_{692} = (1, 6, 8, 8)
                                                                                              P_{737} = (0, 1, 9, 9)
                               P_{648} = (1, 1, 14, 14)
                                                              P_{693} = (1, 14, 6, 6)
                                                                                              P_{738} = (1, 13, 1, 1)
P_{603} = (1, 7, 11, 11)
P_{604} = (1, 3, 10, 10)
                               P_{649} = (1, 9, 3, 3)
                                                              P_{694} = (1, 2, 15, 15)
                                                                                              P_{739} = (1, 10, 12, 12)
P_{605} = (1, 8, 2, 2)
                               P_{650} = (1, 8, 13, 13)
                                                              P_{695} = (1, 3, 4, 4)
                                                                                              P_{740} = (1, 12, 8, 8)
P_{606} = (1, 15, 9, 9)
                               P_{651} = (1, 3, 11, 11)
                                                              P_{696} = (1, 8, 14, 14)
                                                                                              P_{741} = (1, 5, 6, 6)
                               P_{652} = (1, 4, 10, 10)
                                                              P_{697} = (1, 7, 3, 3)
                                                                                              P_{742} = (1, 4, 15, 15)
P_{607} = (1, 5, 7, 7)
P_{608} = (1, 13, 5, 5)
                               P_{653} = (1, 14, 2, 2)
                                                              P_{698} = (1, 15, 13, 13)
                                                                                              P_{743} = (1, 6, 4, 4)
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P_{744} = (1, 9, 14, 14)
                               P_{789} = (1, 0, 12, 6)
                                                                                              P_{879} = (1, 2, 14, 7)
                                                               P_{834} = (1, 3, 2, 1)
                               P_{790} = (1, 0, 7, 15)
                                                               P_{835} = (1, 13, 1, 12)
P_{745} = (1, 14, 3, 3)
                                                                                              P_{880} = (1, 8, 10, 5)
P_{746} = (1, 7, 13, 13)
                               P_{791} = (1, 0, 8, 4)
                                                               P_{836} = (1, 1, 9, 8)
                                                                                              P_{881} = (0, 1, 8, 4)
P_{747} = (1, 2, 11, 11)
                               P_{792} = (1, 0, 5, 14)
                                                               P_{837} = (1, 10, 12, 6)
                                                                                              P_{882} = (1, 6, 2, 1)
P_{748} = (1, 15, 10, 10)
                               P_{793} = (1, 0, 6, 3)
                                                               P_{838} = (1, 8, 7, 15)
                                                                                              P_{883} = (1, 3, 1, 12)
                                                               P_{839} = (1, 12, 8, 4)
                                                                                              P_{884} = (1, 2, 9, 8)
                               P_{794} = (1, 0, 3, 13)
P_{749} = (1, 3, 2, 2)
P_{750} = (1, 1, 9, 9)
                               P_{795} = (1, 0, 15, 11)
                                                               P_{840} = (1, 11, 5, 14)
                                                                                              P_{885} = (1, 13, 12, 6)
P_{751} = (1, 8, 7, 7)
                               P_{796} = (1, 0, 13, 10)
                                                               P_{841} = (1, 5, 6, 3)
                                                                                              P_{886} = (1, 9, 7, 15)
P_{752} = (1, 11, 5, 5)
                               P_{797} = (1, 0, 4, 2)
                                                               P_{842} = (1, 14, 3, 13)
                                                                                              P_{887} = (1, 1, 8, 4)
P_{753} = (0, 1, 7, 7)
                               P_{798} = (1, 0, 11, 9)
                                                               P_{843} = (1, 4, 15, 11)
                                                                                              P_{888} = (1, 15, 5, 14)
P_{754} = (1, 14, 1, 1)
                               P_{799} = (1, 0, 14, 7)
                                                               P_{844} = (1, 7, 13, 10)
                                                                                              P_{889} = (1, 10, 6, 3)
P_{755} = (1, 7, 12, 12)
                               P_{800} = (1, 0, 10, 5)
                                                               P_{845} = (1, 6, 4, 2)
                                                                                              P_{890} = (1, 5, 3, 13)
P_{756} = (1, 13, 8, 8)
                               P_{801} = (0, 1, 2, 1)
                                                               P_{846} = (1, 2, 11, 9)
                                                                                              P_{891} = (1, 8, 15, 11)
P_{757} = (1, 15, 6, 6)
                               P_{802} = (1, 1, 2, 1)
                                                               P_{847} = (1, 9, 14, 7)
                                                                                              P_{892} = (1, 14, 13, 10)
P_{758} = (1, 12, 15, 15)
                               P_{803} = (1, 12, 1, 12)
                                                               P_{848} = (1, 15, 10, 5)
                                                                                              P_{893} = (1, 12, 4, 2)
P_{759} = (1, 10, 4, 4)
                               P_{804} = (1, 8, 9, 8)
                                                               P_{849} = (0, 1, 12, 6)
                                                                                              P_{894} = (1, 4, 11, 9)
                               P_{805} = (1, 6, 12, 6)
                                                               P_{850} = (1, 4, 2, 1)
                                                                                              P_{895} = (1, 11, 14, 7)
P_{760} = (1, 2, 14, 14)
P_{761} = (1, 11, 3, 3)
                               P_{806} = (1, 15, 7, 15)
                                                               P_{851} = (1, 2, 1, 12)
                                                                                              P_{896} = (1, 7, 10, 5)
                                                               P_{852} = (1, 11, 9, 8)
                                                                                              P_{897} = (0, 1, 5, 14)
P_{762} = (1, 9, 13, 13)
                               P_{807} = (1, 4, 8, 4)
                               P_{808} = (1, 14, 5, 14)
                                                               P_{853} = (1, 1, 12, 6)
                                                                                              P_{898} = (1, 7, 2, 1)
P_{763} = (1, 6, 11, 11)
                               P_{809} = (1, 3, 6, 3)
                                                               P_{854} = (1, 14, 7, 15)
                                                                                              P_{899} = (1, 15, 1, 12)
P_{764} = (1, 8, 10, 10)
P_{765} = (1, 5, 2, 2)
                               P_{810} = (1, 13, 3, 13)
                                                               P_{855} = (1, 9, 8, 4)
                                                                                              P_{900} = (1, 10, 9, 8)
P_{766} = (1, 3, 9, 9)
                               P_{811} = (1, 11, 15, 11)
                                                               P_{856} = (1, 10, 5, 14)
                                                                                              P_{901} = (1, 11, 12, 6)
P_{767} = (1, 1, 7, 7)
                               P_{812} = (1, 10, 13, 10)
                                                               P_{857} = (1, 12, 6, 3)
                                                                                              P_{902} = (1, 6, 7, 15)
P_{768} = (1, 4, 5, 5)
                               P_{813} = (1, 2, 4, 2)
                                                               P_{858} = (1, 6, 3, 13)
                                                                                              P_{903} = (1, 5, 8, 4)
P_{769} = (0, 1, 5, 5)
                               P_{814} = (1, 9, 11, 9)
                                                               P_{859} = (1, 7, 15, 11)
                                                                                              P_{904} = (1, 1, 5, 14)
P_{770} = (1, 15, 1, 1)
                               P_{815} = (1, 7, 14, 7)
                                                               P_{860} = (1, 3, 13, 10)
                                                                                              P_{905} = (1, 9, 6, 3)
P_{771} = (1, 11, 12, 12)
                               P_{816} = (1, 5, 10, 5)
                                                               P_{861} = (1, 8, 4, 2)
                                                                                              P_{906} = (1, 8, 3, 13)
P_{772} = (1, 5, 8, 8)
                               P_{817} = (0, 1, 1, 12)
                                                               P_{862} = (1, 15, 11, 9)
                                                                                              P_{907} = (1, 3, 15, 11)
P_{773} = (1, 9, 6, 6)
                               P_{818} = (1, 2, 2, 1)
                                                               P_{863} = (1, 5, 14, 7)
                                                                                              P_{908} = (1, 4, 13, 10)
P_{774} = (1, 3, 15, 15)
                               P_{819} = (1, 1, 1, 12)
                                                               P_{864} = (1, 13, 10, 5)
                                                                                              P_{909} = (1, 14, 4, 2)
P_{775} = (1, 14, 4, 4)
                               P_{820} = (1, 9, 9, 8)
                                                               P_{865} = (0, 1, 7, 15)
                                                                                              P_{910} = (1, 13, 11, 9)
P_{776} = (1, 12, 14, 14)
                               P_{821} = (1, 12, 12, 6)
                                                               P_{866} = (1, 5, 2, 1)
                                                                                              P_{911} = (1, 12, 14, 7)
P_{777} = (1, 8, 3, 3)
                               P_{822} = (1, 7, 7, 15)
                                                               P_{867} = (1, 14, 1, 12)
                                                                                              P_{912} = (1, 2, 10, 5)
                                                               P_{868} = (1, 3, 9, 8)
P_{778} = (1, 4, 13, 13)
                               P_{823} = (1, 8, 8, 4)
                                                                                              P_{913} = (0, 1, 6, 3)
                               P_{824} = (1, 5, 5, 14)
                                                               P_{869} = (1, 7, 12, 6)
P_{779} = (1, 13, 11, 11)
                                                                                              P_{914} = (1, 8, 2, 1)
P_{780} = (1, 2, 10, 10)
                               P_{825} = (1, 6, 6, 3)
                                                               P_{870} = (1, 1, 7, 15)
                                                                                              P_{915} = (1, 4, 1, 12)
P_{781} = (1, 7, 2, 2)
                               P_{826} = (1, 3, 3, 13)
                                                               P_{871} = (1, 13, 8, 4)
                                                                                              P_{916} = (1, 15, 9, 8)
P_{782} = (1, 10, 9, 9)
                               P_{827} = (1, 15, 15, 11)
                                                               P_{872} = (1, 4, 5, 14)
                                                                                              P_{917} = (1, 2, 12, 6)
                                                               P_{873} = (1, 15, 6, 3)
P_{783} = (1, 6, 7, 7)
                               P_{828} = (1, 13, 13, 10)
                                                                                              P_{918} = (1, 5, 7, 15)
P_{784} = (1, 1, 5, 5)
                               P_{829} = (1, 4, 4, 2)
                                                               P_{874} = (1, 11, 3, 13)
                                                                                              P_{919} = (1, 11, 8, 4)
                                                                                              P_{920} = (1, 13, 5, 14)
P_{785} = (0, 0, 1, 12)
                               P_{830} = (1, 11, 11, 9)
                                                               P_{875} = (1, 12, 15, 11)
P_{786} = (1, 0, 2, 1)
                               P_{831} = (1, 14, 14, 7)
                                                               P_{876} = (1, 9, 13, 10)
                                                                                              P_{921} = (1, 1, 6, 3)
P_{787} = (1, 0, 1, 12)
                               P_{832} = (1, 10, 10, 5)
                                                               P_{877} = (1, 10, 4, 2)
                                                                                              P_{922} = (1, 12, 3, 13)
P_{788} = (1, 0, 9, 8)
                               P_{833} = (0, 1, 9, 8)
                                                               P_{878} = (1, 6, 11, 9)
                                                                                              P_{923} = (1, 14, 15, 11)
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P_{1014} = (1, 12, 7, 15)
P_{924} = (1, 6, 13, 10)
                               P_{969} = (1, 4, 6, 3)
                                                                                              P_{1059} = (1, 12, 13, 12)
                                                                                              P_{1060} = (1, 8, 1, 8)
                               P_{970} = (1, 2, 3, 13)
P_{925} = (1, 9, 4, 2)
                                                              P_{1015} = (1, 10, 8, 4)
P_{926} = (1, 7, 11, 9)
                               P_{971} = (1, 10, 15, 11)
                                                              P_{1016} = (1, 2, 5, 14)
                                                                                              P_{1061} = (1, 6, 10, 6)
P_{927} = (1, 10, 14, 7)
                               P_{972} = (1, 1, 13, 10)
                                                              P_{1017} = (1, 11, 6, 3)
                                                                                              P_{1062} = (1, 15, 8, 15)
P_{928} = (1, 3, 10, 5)
                               P_{973} = (1, 15, 4, 2)
                                                              P_{1018} = (1, 9, 3, 13)
                                                                                              P_{1063} = (1, 4, 12, 4)
P_{929} = (0, 1, 3, 13)
                               P_{974} = (1, 5, 11, 9)
                                                              P_{1019} = (1, 6, 15, 11)
                                                                                              P_{1064} = (1, 14, 11, 14)
P_{930} = (1, 9, 2, 1)
                               P_{975} = (1, 3, 14, 7)
                                                              P_{1020} = (1, 8, 13, 10)
                                                                                              P_{1065} = (1, 3, 5, 3)
                               P_{976} = (1, 12, 10, 5)
P_{931} = (1, 8, 1, 12)
                                                              P_{1021} = (1, 5, 4, 2)
                                                                                              P_{1066} = (1, 13, 14, 13)
P_{932} = (1, 7, 9, 8)
                               P_{977} = (0, 1, 4, 2)
                                                              P_{1022} = (1, 3, 11, 9)
                                                                                              P_{1067} = (1, 11, 4, 11)
P_{933} = (1, 4, 12, 6)
                               P_{978} = (1, 12, 2, 1)
                                                              P_{1023} = (1, 1, 14, 7)
                                                                                              P_{1068} = (1, 10, 7, 10)
P_{934} = (1, 10, 7, 15)
                               P_{979} = (1, 6, 1, 12)
                                                              P_{1024} = (1, 4, 10, 5)
                                                                                              P_{1069} = (1, 2, 6, 2)
P_{935} = (1, 15, 8, 4)
                               P_{980} = (1, 4, 9, 8)
                                                              P_{1025} = (0, 1, 10, 5)
                                                                                              P_{1070} = (1, 9, 2, 9)
P_{936} = (1, 3, 5, 14)
                               P_{981} = (1, 3, 12, 6)
                                                              P_{1026} = (1, 15, 2, 1)
                                                                                              P_{1071} = (1, 7, 9, 7)
P_{937} = (1, 2, 6, 3)
                               P_{982} = (1, 11, 7, 15)
                                                              P_{1027} = (1, 11, 1, 12)
                                                                                              P_{1072} = (1, 5, 15, 5)
P_{938} = (1, 1, 3, 13)
                               P_{983} = (1, 2, 8, 4)
                                                              P_{1028} = (1, 5, 9, 8)
                                                                                              P_{1073} = (0, 1, 13, 12)
                                                                                              P_{1074} = (1, 2, 3, 1)
P_{939} = (1, 5, 15, 11)
                               P_{984} = (1, 7, 5, 14)
                                                              P_{1029} = (1, 9, 12, 6)
                               P_{985} = (1, 13, 6, 3)
                                                              P_{1030} = (1, 3, 7, 15)
P_{940} = (1, 12, 13, 10)
                                                                                              P_{1075} = (1, 1, 13, 12)
P_{941} = (1, 11, 4, 2)
                               P_{986} = (1, 10, 3, 13)
                                                              P_{1031} = (1, 14, 8, 4)
                                                                                              P_{1076} = (1, 9, 1, 8)
P_{942} = (1, 14, 11, 9)
                               P_{987} = (1, 9, 15, 11)
                                                              P_{1032} = (1, 12, 5, 14)
                                                                                              P_{1077} = (1, 12, 10, 6)
P_{943} = (1, 13, 14, 7)
                               P_{988} = (1, 5, 13, 10)
                                                              P_{1033} = (1, 8, 6, 3)
                                                                                              P_{1078} = (1, 7, 8, 15)
P_{944} = (1, 6, 10, 5)
                               P_{989} = (1, 1, 4, 2)
                                                              P_{1034} = (1, 4, 3, 13)
                                                                                              P_{1079} = (1, 8, 12, 4)
                                                              P_{1035} = (1, 13, 15, 11)
                                                                                              P_{1080} = (1, 5, 11, 14)
P_{945} = (0, 1, 15, 11)
                               P_{990} = (1, 8, 11, 9)
P_{946} = (1, 10, 2, 1)
                               P_{991} = (1, 15, 14, 7)
                                                              P_{1036} = (1, 2, 13, 10)
                                                                                              P_{1081} = (1, 6, 5, 3)
P_{947} = (1, 5, 1, 12)
                               P_{992} = (1, 14, 10, 5)
                                                              P_{1037} = (1, 7, 4, 2)
                                                                                              P_{1082} = (1, 3, 14, 13)
                                                              P_{1038} = (1, 10, 11, 9)
P_{948} = (1, 6, 9, 8)
                               P_{993} = (0, 1, 11, 9)
                                                                                              P_{1083} = (1, 15, 4, 11)
P_{949} = (1, 14, 12, 6)
                               P_{994} = (1, 13, 2, 1)
                                                              P_{1039} = (1, 6, 14, 7)
                                                                                              P_{1084} = (1, 13, 7, 10)
P_{950} = (1, 2, 7, 15)
                               P_{995} = (1, 10, 1, 12)
                                                                                              P_{1085} = (1, 4, 6, 2)
                                                              P_{1040} = (1, 1, 10, 5)
P_{951} = (1, 3, 8, 4)
                               P_{996} = (1, 12, 9, 8)
                                                              P_{1041} = (0, 0, 1, 8)
                                                                                              P_{1086} = (1, 11, 2, 9)
P_{952} = (1, 8, 5, 14)
                                                              P_{1042} = (1, 0, 3, 1)
                                                                                              P_{1087} = (1, 14, 9, 7)
                               P_{997} = (1, 5, 12, 6)
P_{953} = (1, 7, 6, 3)
                               P_{998} = (1, 4, 7, 15)
                                                                                              P_{1088} = (1, 10, 15, 5)
                                                              P_{1043} = (1, 0, 13, 12)
P_{954} = (1, 15, 3, 13)
                               P_{999} = (1, 6, 8, 4)
                                                              P_{1044} = (1, 0, 1, 8)
                                                                                              P_{1089} = (0, 1, 1, 8)
P_{955} = (1, 1, 15, 11)
                               P_{1000} = (1, 9, 5, 14)
                                                              P_{1045} = (1, 0, 10, 6)
                                                                                              P_{1090} = (1, 3, 3, 1)
P_{956} = (1, 11, 13, 10)
                               P_{1001} = (1, 14, 6, 3)
                                                              P_{1046} = (1, 0, 8, 15)
                                                                                              P_{1091} = (1, 13, 13, 12)
P_{957} = (1, 13, 4, 2)
                               P_{1002} = (1, 7, 3, 13)
                                                              P_{1047} = (1, 0, 12, 4)
                                                                                              P_{1092} = (1, 1, 1, 8)
P_{958} = (1, 12, 11, 9)
                               P_{1003} = (1, 2, 15, 11)
                                                              P_{1048} = (1, 0, 11, 14)
                                                                                              P_{1093} = (1, 10, 10, 6)
                               P_{1004} = (1, 15, 13, 10)
                                                              P_{1049} = (1, 0, 5, 3)
P_{959} = (1, 4, 14, 7)
                                                                                              P_{1094} = (1, 8, 8, 15)
                               P_{1005} = (1, 3, 4, 2)
                                                                                              P_{1095} = (1, 12, 12, 4)
P_{960} = (1, 9, 10, 5)
                                                              P_{1050} = (1, 0, 14, 13)
P_{961} = (0, 1, 13, 10)
                               P_{1006} = (1, 1, 11, 9)
                                                              P_{1051} = (1, 0, 4, 11)
                                                                                              P_{1096} = (1, 11, 11, 14)
P_{962} = (1, 11, 2, 1)
                               P_{1007} = (1, 8, 14, 7)
                                                              P_{1052} = (1, 0, 7, 10)
                                                                                              P_{1097} = (1, 5, 5, 3)
P_{963} = (1, 9, 1, 12)
                               P_{1008} = (1, 11, 10, 5)
                                                              P_{1053} = (1, 0, 6, 2)
                                                                                              P_{1098} = (1, 14, 14, 13)
P_{964} = (1, 14, 9, 8)
                               P_{1009} = (0, 1, 14, 7)
                                                              P_{1054} = (1, 0, 2, 9)
                                                                                              P_{1099} = (1, 4, 4, 11)
P_{965} = (1, 8, 12, 6)
                               P_{1010} = (1, 14, 2, 1)
                                                              P_{1055} = (1, 0, 9, 7)
                                                                                              P_{1100} = (1, 7, 7, 10)
P_{966} = (1, 13, 7, 15)
                               P_{1011} = (1, 7, 1, 12)
                                                              P_{1056} = (1, 0, 15, 5)
                                                                                              P_{1101} = (1, 6, 6, 2)
P_{967} = (1, 7, 8, 4)
                                                              P_{1057} = (0, 1, 3, 1)
                                                                                              P_{1102} = (1, 2, 2, 9)
                               P_{1012} = (1, 13, 9, 8)
P_{968} = (1, 6, 5, 14)
                               P_{1013} = (1, 15, 12, 6)
                                                              P_{1058} = (1, 1, 3, 1)
                                                                                              P_{1103} = (1, 9, 9, 7)
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P_{1104} = (1, 15, 15, 5)
                               P_{1149} = (1, 12, 6, 2)
                                                              P_{1194} = (1, 1, 14, 13)
                                                                                             P_{1239} = (1, 2, 12, 4)
                               P_{1150} = (1, 4, 2, 9)
P_{1105} = (0, 1, 10, 6)
                                                              P_{1195} = (1, 5, 4, 11)
                                                                                             P_{1240} = (1, 7, 11, 14)
                               P_{1151} = (1, 11, 9, 7)
                                                              P_{1196} = (1, 12, 7, 10)
                                                                                             P_{1241} = (1, 13, 5, 3)
P_{1106} = (1, 4, 3, 1)
P_{1107} = (1, 2, 13, 12)
                               P_{1152} = (1, 7, 15, 5)
                                                                                             P_{1242} = (1, 10, 14, 13)
                                                              P_{1197} = (1, 11, 6, 2)
P_{1108} = (1, 11, 1, 8)
                               P_{1153} = (0, 1, 11, 14)
                                                              P_{1198} = (1, 14, 2, 9)
                                                                                             P_{1243} = (1, 9, 4, 11)
P_{1109} = (1, 1, 10, 6)
                               P_{1154} = (1, 7, 3, 1)
                                                              P_{1199} = (1, 13, 9, 7)
                                                                                             P_{1244} = (1, 5, 7, 10)
P_{1110} = (1, 14, 8, 15)
                               P_{1155} = (1, 15, 13, 12)
                                                              P_{1200} = (1, 6, 15, 5)
                                                                                             P_{1245} = (1, 1, 6, 2)
P_{1111} = (1, 9, 12, 4)
                               P_{1156} = (1, 10, 1, 8)
                                                              P_{1201} = (0, 1, 4, 11)
                                                                                             P_{1246} = (1, 8, 2, 9)
                               P_{1157} = (1, 11, 10, 6)
P_{1112} = (1, 10, 11, 14)
                                                              P_{1202} = (1, 10, 3, 1)
                                                                                             P_{1247} = (1, 15, 9, 7)
P_{1113} = (1, 12, 5, 3)
                               P_{1158} = (1, 6, 8, 15)
                                                              P_{1203} = (1, 5, 13, 12)
                                                                                             P_{1248} = (1, 14, 15, 5)
P_{1114} = (1, 6, 14, 13)
                               P_{1159} = (1, 5, 12, 4)
                                                              P_{1204} = (1, 6, 1, 8)
                                                                                             P_{1249} = (0, 1, 2, 9)
                                                              P_{1205} = (1, 14, 10, 6)
P_{1115} = (1, 7, 4, 11)
                               P_{1160} = (1, 1, 11, 14)
                                                                                             P_{1250} = (1, 13, 3, 1)
P_{1116} = (1, 3, 7, 10)
                               P_{1161} = (1, 9, 5, 3)
                                                              P_{1206} = (1, 2, 8, 15)
                                                                                             P_{1251} = (1, 10, 13, 12)
                                                              P_{1207} = (1, 3, 12, 4)
P_{1117} = (1, 8, 6, 2)
                               P_{1162} = (1, 8, 14, 13)
                                                                                             P_{1252} = (1, 12, 1, 8)
P_{1118} = (1, 15, 2, 9)
                               P_{1163} = (1, 3, 4, 11)
                                                              P_{1208} = (1, 8, 11, 14)
                                                                                             P_{1253} = (1, 5, 10, 6)
P_{1119} = (1, 5, 9, 7)
                               P_{1164} = (1, 4, 7, 10)
                                                              P_{1209} = (1, 7, 5, 3)
                                                                                             P_{1254} = (1, 4, 8, 15)
                               P_{1165} = (1, 14, 6, 2)
P_{1120} = (1, 13, 15, 5)
                                                              P_{1210} = (1, 15, 14, 13)
                                                                                             P_{1255} = (1, 6, 12, 4)
P_{1121} = (0, 1, 8, 15)
                               P_{1166} = (1, 13, 2, 9)
                                                              P_{1211} = (1, 1, 4, 11)
                                                                                             P_{1256} = (1, 9, 11, 14)
                               P_{1167} = (1, 12, 9, 7)
P_{1122} = (1, 5, 3, 1)
                                                              P_{1212} = (1, 11, 7, 10)
                                                                                             P_{1257} = (1, 14, 5, 3)
                               P_{1168} = (1, 2, 15, 5)
P_{1123} = (1, 14, 13, 12)
                                                              P_{1213} = (1, 13, 6, 2)
                                                                                             P_{1258} = (1, 7, 14, 13)
                               P_{1169} = (0, 1, 5, 3)
                                                                                             P_{1259} = (1, 2, 4, 11)
P_{1124} = (1, 3, 1, 8)
                                                              P_{1214} = (1, 12, 2, 9)
P_{1125} = (1, 7, 10, 6)
                               P_{1170} = (1, 8, 3, 1)
                                                              P_{1215} = (1, 4, 9, 7)
                                                                                             P_{1260} = (1, 15, 7, 10)
                               P_{1171} = (1, 4, 13, 12)
                                                              P_{1216} = (1, 9, 15, 5)
                                                                                             P_{1261} = (1, 3, 6, 2)
P_{1126} = (1, 1, 8, 15)
P_{1127} = (1, 13, 12, 4)
                               P_{1172} = (1, 15, 1, 8)
                                                              P_{1217} = (0, 1, 7, 10)
                                                                                             P_{1262} = (1, 1, 2, 9)
P_{1128} = (1, 4, 11, 14)
                               P_{1173} = (1, 2, 10, 6)
                                                              P_{1218} = (1, 11, 3, 1)
                                                                                             P_{1263} = (1, 8, 9, 7)
P_{1129} = (1, 15, 5, 3)
                               P_{1174} = (1, 5, 8, 15)
                                                              P_{1219} = (1, 9, 13, 12)
                                                                                             P_{1264} = (1, 11, 15, 5)
P_{1130} = (1, 11, 14, 13)
                               P_{1175} = (1, 11, 12, 4)
                                                              P_{1220} = (1, 14, 1, 8)
                                                                                             P_{1265} = (0, 1, 9, 7)
                               P_{1176} = (1, 13, 11, 14)
P_{1131} = (1, 12, 4, 11)
                                                              P_{1221} = (1, 8, 10, 6)
                                                                                             P_{1266} = (1, 14, 3, 1)
                                                              P_{1222} = (1, 13, 8, 15)
P_{1132} = (1, 9, 7, 10)
                               P_{1177} = (1, 1, 5, 3)
                                                                                             P_{1267} = (1, 7, 13, 12)
P_{1133} = (1, 10, 6, 2)
                               P_{1178} = (1, 12, 14, 13)
                                                              P_{1223} = (1, 7, 12, 4)
                                                                                             P_{1268} = (1, 13, 1, 8)
                                                              P_{1224} = (1, 6, 11, 14)
P_{1134} = (1, 6, 2, 9)
                               P_{1179} = (1, 14, 4, 11)
                                                                                             P_{1269} = (1, 15, 10, 6)
P_{1135} = (1, 2, 9, 7)
                               P_{1180} = (1, 6, 7, 10)
                                                              P_{1225} = (1, 4, 5, 3)
                                                                                             P_{1270} = (1, 12, 8, 15)
P_{1136} = (1, 8, 15, 5)
                               P_{1181} = (1, 9, 6, 2)
                                                              P_{1226} = (1, 2, 14, 13)
                                                                                             P_{1271} = (1, 10, 12, 4)
P_{1137} = (0, 1, 12, 4)
                               P_{1182} = (1, 7, 2, 9)
                                                              P_{1227} = (1, 10, 4, 11)
                                                                                             P_{1272} = (1, 2, 11, 14)
P_{1138} = (1, 6, 3, 1)
                               P_{1183} = (1, 10, 9, 7)
                                                              P_{1228} = (1, 1, 7, 10)
                                                                                             P_{1273} = (1, 11, 5, 3)
                                                              P_{1229} = (1, 15, 6, 2)
P_{1139} = (1, 3, 13, 12)
                               P_{1184} = (1, 3, 15, 5)
                                                                                             P_{1274} = (1, 9, 14, 13)
P_{1140} = (1, 2, 1, 8)
                               P_{1185} = (0, 1, 14, 13)
                                                              P_{1230} = (1, 5, 2, 9)
                                                                                             P_{1275} = (1, 6, 4, 11)
P_{1141} = (1, 13, 10, 6)
                               P_{1186} = (1, 9, 3, 1)
                                                              P_{1231} = (1, 3, 9, 7)
                                                                                             P_{1276} = (1, 8, 7, 10)
P_{1142} = (1, 9, 8, 15)
                               P_{1187} = (1, 8, 13, 12)
                                                              P_{1232} = (1, 12, 15, 5)
                                                                                             P_{1277} = (1, 5, 6, 2)
                               P_{1188} = (1, 7, 1, 8)
                                                              P_{1233} = (0, 1, 6, 2)
                                                                                             P_{1278} = (1, 3, 2, 9)
P_{1143} = (1, 1, 12, 4)
P_{1144} = (1, 15, 11, 14)
                               P_{1189} = (1, 4, 10, 6)
                                                              P_{1234} = (1, 12, 3, 1)
                                                                                             P_{1279} = (1, 1, 9, 7)
                               P_{1190} = (1, 10, 8, 15)
                                                              P_{1235} = (1, 6, 13, 12)
                                                                                             P_{1280} = (1, 4, 15, 5)
P_{1145} = (1, 10, 5, 3)
P_{1146} = (1, 5, 14, 13)
                               P_{1191} = (1, 15, 12, 4)
                                                              P_{1236} = (1, 4, 1, 8)
                                                                                             P_{1281} = (0, 1, 15, 5)
                                                              P_{1237} = (1, 3, 10, 6)
P_{1147} = (1, 8, 4, 11)
                               P_{1192} = (1, 3, 11, 14)
                                                                                             P_{1282} = (1, 15, 3, 1)
P_{1148} = (1, 14, 7, 10)
                               P_{1193} = (1, 2, 5, 3)
                                                              P_{1238} = (1, 11, 8, 15)
                                                                                             P_{1283} = (1, 11, 13, 12)
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```
P_{1284} = (1, 5, 1, 8)
                               P_{1329} = (0, 1, 2, 12)
                                                              P_{1374} = (1, 15, 15, 9)
                                                                                              P_{1419} = (1, 3, 7, 11)
P_{1285} = (1, 9, 10, 6)
                               P_{1330} = (1, 2, 4, 1)
                                                              P_{1375} = (1, 5, 5, 7)
                                                                                              P_{1420} = (1, 4, 3, 10)
P_{1286} = (1, 3, 8, 15)
                               P_{1331} = (1, 1, 2, 12)
                                                              P_{1376} = (1, 13, 13, 5)
                                                                                              P_{1421} = (1, 14, 8, 2)
P_{1287} = (1, 14, 12, 4)
                               P_{1332} = (1, 9, 11, 8)
                                                              P_{1377} = (0, 1, 14, 15)
                                                                                              P_{1422} = (1, 13, 15, 9)
P_{1288} = (1, 12, 11, 14)
                               P_{1333} = (1, 12, 1, 6)
                                                              P_{1378} = (1, 5, 4, 1)
                                                                                              P_{1423} = (1, 12, 5, 7)
                                                              P_{1379} = (1, 14, 2, 12)
P_{1289} = (1, 8, 5, 3)
                               P_{1334} = (1, 7, 14, 15)
                                                                                              P_{1424} = (1, 2, 13, 5)
P_{1290} = (1, 4, 14, 13)
                               P_{1335} = (1, 8, 9, 4)
                                                              P_{1380} = (1, 3, 11, 8)
                                                                                              P_{1425} = (0, 1, 12, 3)
P_{1291} = (1, 13, 4, 11)
                               P_{1336} = (1, 5, 10, 14)
                                                              P_{1381} = (1, 7, 1, 6)
                                                                                              P_{1426} = (1, 8, 4, 1)
                               P_{1337} = (1, 6, 12, 3)
P_{1292} = (1, 2, 7, 10)
                                                              P_{1382} = (1, 1, 14, 15)
                                                                                              P_{1427} = (1, 4, 2, 12)
P_{1293} = (1, 7, 6, 2)
                               P_{1338} = (1, 3, 6, 13)
                                                              P_{1383} = (1, 13, 9, 4)
                                                                                              P_{1428} = (1, 15, 11, 8)
P_{1294} = (1, 10, 2, 9)
                               P_{1339} = (1, 15, 7, 11)
                                                              P_{1384} = (1, 4, 10, 14)
                                                                                              P_{1429} = (1, 2, 1, 6)
                                                              P_{1385} = (1, 15, 12, 3)
P_{1295} = (1, 6, 9, 7)
                               P_{1340} = (1, 13, 3, 10)
                                                                                              P_{1430} = (1, 5, 14, 15)
P_{1296} = (1, 1, 15, 5)
                               P_{1341} = (1, 4, 8, 2)
                                                              P_{1386} = (1, 11, 6, 13)
                                                                                              P_{1431} = (1, 11, 9, 4)
P_{1297} = (0, 0, 1, 6)
                               P_{1342} = (1, 11, 15, 9)
                                                              P_{1387} = (1, 12, 7, 11)
                                                                                              P_{1432} = (1, 13, 10, 14)
P_{1298} = (1, 0, 4, 1)
                               P_{1343} = (1, 14, 5, 7)
                                                              P_{1388} = (1, 9, 3, 10)
                                                                                              P_{1433} = (1, 1, 12, 3)
P_{1299} = (1, 0, 2, 12)
                               P_{1344} = (1, 10, 13, 5)
                                                              P_{1389} = (1, 10, 8, 2)
                                                                                              P_{1434} = (1, 12, 6, 13)
P_{1300} = (1, 0, 11, 8)
                               P_{1345} = (0, 1, 11, 8)
                                                              P_{1390} = (1, 6, 15, 9)
                                                                                              P_{1435} = (1, 14, 7, 11)
P_{1301} = (1, 0, 1, 6)
                               P_{1346} = (1, 3, 4, 1)
                                                              P_{1391} = (1, 2, 5, 7)
                                                                                              P_{1436} = (1, 6, 3, 10)
                               P_{1347} = (1, 13, 2, 12)
P_{1302} = (1, 0, 14, 15)
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                               P_{1348} = (1, 1, 11, 8)
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P_{1303} = (1, 0, 9, 4)
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                               P_{1349} = (1, 10, 1, 6)
                                                              P_{1394} = (1, 6, 4, 1)
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P_{1304} = (1, 0, 10, 14)
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                               P_{1351} = (1, 12, 9, 4)
                                                              P_{1396} = (1, 2, 11, 8)
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P_{1306} = (1, 0, 6, 13)
P_{1307} = (1, 0, 7, 11)
                               P_{1352} = (1, 11, 10, 14)
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                                                                                              P_{1443} = (1, 8, 2, 12)
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                               P_{1355} = (1, 4, 7, 11)
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P_{1328} = (1, 5, 13, 5)
                               P_{1373} = (1, 8, 8, 2)
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                               P_{1511} = (1, 6, 9, 4)
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                               P_{1512} = (1, 9, 10, 14)
                                                              P_{1557} = (1, 0, 7, 6)
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                               P_{1513} = (1, 14, 12, 3)
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                               P_{1518} = (1, 1, 15, 9)
                                                              P_{1563} = (1, 0, 12, 11)
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                               P_{1533} = (1, 5, 8, 2)
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P_{1491} = (1, 6, 2, 12)
                                                              P_{1581} = (1, 2, 10, 2)
                                                                                              P_{1626} = (1, 6, 11, 13)
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P_{1492} = (1, 4, 11, 8)
                                                                                              P_{1627} = (1, 7, 12, 11)
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P_{1493} = (1, 3, 1, 6)
                               P_{1538} = (1, 15, 4, 1)
                                                              P_{1583} = (1, 7, 2, 7)
                               P_{1539} = (1, 11, 2, 12)
                                                              P_{1584} = (1, 5, 8, 5)
P_{1494} = (1, 11, 14, 15)
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P_{1495} = (1, 2, 9, 4)
                               P_{1540} = (1, 5, 11, 8)
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                                                                                              P_{1631} = (1, 5, 2, 7)
P_{1496} = (1, 7, 10, 14)
                               P_{1541} = (1, 9, 1, 6)
                                                              P_{1586} = (1, 2, 5, 1)
P_{1497} = (1, 13, 12, 3)
                               P_{1542} = (1, 3, 14, 15)
                                                              P_{1587} = (1, 1, 14, 12)
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                               P_{1547} = (1, 13, 7, 11)
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                               P_{1548} = (1, 2, 3, 10)
                                                              P_{1593} = (1, 6, 15, 3)
                                                                                              P_{1638} = (1, 1, 1, 15)
P_{1503} = (1, 15, 5, 7)
P_{1504} = (1, 14, 13, 5)
                               P_{1549} = (1, 7, 8, 2)
                                                              P_{1594} = (1, 3, 11, 13)
                                                                                              P_{1639} = (1, 13, 13, 4)
P_{1505} = (0, 1, 15, 9)
                               P_{1550} = (1, 10, 15, 9)
                                                              P_{1595} = (1, 15, 12, 11)
                                                                                              P_{1640} = (1, 4, 4, 14)
P_{1506} = (1, 13, 4, 1)
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                                                                                              P_{1641} = (1, 15, 15, 3)
                               P_{1552} = (1, 1, 13, 5)
                                                              P_{1597} = (1, 4, 10, 2)
P_{1507} = (1, 10, 2, 12)
                                                                                              P_{1642} = (1, 11, 11, 13)
                                                              P_{1598} = (1, 11, 6, 9)
P_{1508} = (1, 12, 11, 8)
                               P_{1553} = (0, 0, 1, 15)
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P_{1644} = (1, 9, 9, 10)
                               P_{1689} = (1, 1, 15, 3)
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P_{1645} = (1, 10, 10, 2)
                               P_{1690} = (1, 12, 11, 13)
                                                              P_{1735} = (1, 7, 13, 4)
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P_{1646} = (1, 6, 6, 9)
                               P_{1691} = (1, 14, 12, 11)
                                                              P_{1736} = (1, 6, 4, 14)
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P_{1647} = (1, 2, 2, 7)
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P_{1648} = (1, 8, 8, 5)
                               P_{1693} = (1, 9, 10, 2)
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P_{1649} = (0, 1, 13, 4)
                               P_{1694} = (1, 7, 6, 9)
                                                                                              P_{1784} = (1, 2, 4, 14)
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                               P_{1695} = (1, 10, 2, 7)
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P_{1651} = (1, 3, 14, 12)
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                                                              P_{1741} = (1, 15, 10, 2)
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P_{1652} = (1, 2, 3, 8)
                                                              P_{1742} = (1, 5, 6, 9)
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                                                              P_{1743} = (1, 3, 2, 7)
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                                                              P_{1746} = (1, 12, 5, 1)
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P_{1657} = (1, 10, 15, 3)
                               P_{1702} = (1, 10, 1, 15)
                                                              P_{1747} = (1, 6, 14, 12)
                                                                                              P_{1792} = (1, 4, 8, 5)
P_{1658} = (1, 5, 11, 13)
                               P_{1703} = (1, 15, 13, 4)
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                               P_{1722} = (1, 15, 11, 13)
                                                              P_{1767} = (1, 6, 13, 4)
                                                                                              P_{1812} = (1, 0, 2, 8)
                                                              P_{1768} = (1, 9, 4, 14)
P_{1678} = (1, 13, 6, 9)
                               P_{1723} = (1, 1, 12, 11)
                                                                                              P_{1813} = (1, 0, 13, 6)
                                                              P_{1769} = (1, 14, 15, 3)
P_{1679} = (1, 12, 2, 7)
                               P_{1724} = (1, 11, 9, 10)
                                                                                              P_{1814} = (1, 0, 9, 15)
P_{1680} = (1, 2, 8, 5)
                               P_{1725} = (1, 13, 10, 2)
                                                              P_{1770} = (1, 7, 11, 13)
                                                                                              P_{1815} = (1, 0, 1, 4)
P_{1681} = (0, 1, 15, 3)
                               P_{1726} = (1, 12, 6, 9)
                                                              P_{1771} = (1, 2, 12, 11)
                                                                                              P_{1816} = (1, 0, 15, 14)
P_{1682} = (1, 8, 5, 1)
                               P_{1727} = (1, 4, 2, 7)
                                                              P_{1772} = (1, 15, 9, 10)
                                                                                              P_{1817} = (1, 0, 10, 3)
P_{1683} = (1, 4, 14, 12)
                               P_{1728} = (1, 9, 8, 5)
                                                              P_{1773} = (1, 3, 10, 2)
                                                                                              P_{1818} = (1, 0, 5, 13)
P_{1684} = (1, 15, 3, 8)
                               P_{1729} = (0, 1, 9, 10)
                                                              P_{1774} = (1, 1, 6, 9)
                                                                                              P_{1819} = (1, 0, 8, 11)
P_{1685} = (1, 2, 7, 6)
                               P_{1730} = (1, 11, 5, 1)
                                                              P_{1775} = (1, 8, 2, 7)
                                                                                              P_{1820} = (1, 0, 14, 10)
P_{1686} = (1, 5, 1, 15)
                               P_{1731} = (1, 9, 14, 12)
                                                              P_{1776} = (1, 11, 8, 5)
                                                                                              P_{1821} = (1, 0, 12, 2)
                                                              P_{1777} = (0, 1, 2, 7)
                               P_{1732} = (1, 14, 3, 8)
P_{1687} = (1, 11, 13, 4)
                                                                                              P_{1822} = (1, 0, 4, 9)
P_{1688} = (1, 13, 4, 14)
                               P_{1733} = (1, 8, 7, 6)
                                                              P_{1778} = (1, 14, 5, 1)
                                                                                              P_{1823} = (1, 0, 11, 7)
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```
P_{1824} = (1, 0, 7, 5)
                               P_{1869} = (1, 6, 12, 2)
                                                              P_{1914} = (1, 5, 5, 13)
                                                                                              P_{1959} = (1, 15, 1, 4)
                               P_{1870} = (1, 2, 4, 9)
                                                              P_{1915} = (1, 8, 8, 11)
P_{1825} = (0, 1, 6, 1)
                                                                                              P_{1960} = (1, 3, 15, 14)
P_{1826} = (1, 1, 6, 1)
                               P_{1871} = (1, 9, 11, 7)
                                                              P_{1916} = (1, 14, 14, 10)
                                                                                              P_{1961} = (1, 2, 10, 3)
P_{1827} = (1, 12, 3, 12)
                               P_{1872} = (1, 15, 7, 5)
                                                              P_{1917} = (1, 12, 12, 2)
                                                                                              P_{1962} = (1, 1, 5, 13)
P_{1828} = (1, 8, 2, 8)
                               P_{1873} = (0, 1, 13, 6)
                                                              P_{1918} = (1, 4, 4, 9)
                                                                                              P_{1963} = (1, 5, 8, 11)
                                                              P_{1919} = (1, 11, 11, 7)
                               P_{1874} = (1, 4, 6, 1)
P_{1829} = (1, 6, 13, 6)
                                                                                              P_{1964} = (1, 12, 14, 10)
P_{1830} = (1, 15, 9, 15)
                               P_{1875} = (1, 2, 3, 12)
                                                              P_{1920} = (1, 7, 7, 5)
                                                                                              P_{1965} = (1, 11, 12, 2)
                                                              P_{1921} = (0, 1, 15, 14)
P_{1831} = (1, 4, 1, 4)
                               P_{1876} = (1, 11, 2, 8)
                                                                                              P_{1966} = (1, 14, 4, 9)
                               P_{1877} = (1, 1, 13, 6)
P_{1832} = (1, 14, 15, 14)
                                                              P_{1922} = (1, 7, 6, 1)
                                                                                              P_{1967} = (1, 13, 11, 7)
                               P_{1878} = (1, 14, 9, 15)
                                                              P_{1923} = (1, 15, 3, 12)
                                                                                              P_{1968} = (1, 6, 7, 5)
P_{1833} = (1, 3, 10, 3)
P_{1834} = (1, 13, 5, 13)
                               P_{1879} = (1, 9, 1, 4)
                                                              P_{1924} = (1, 10, 2, 8)
                                                                                              P_{1969} = (0, 1, 8, 11)
P_{1835} = (1, 11, 8, 11)
                                                              P_{1925} = (1, 11, 13, 6)
                                                                                              P_{1970} = (1, 10, 6, 1)
                               P_{1880} = (1, 10, 15, 14)
P_{1836} = (1, 10, 14, 10)
                               P_{1881} = (1, 12, 10, 3)
                                                              P_{1926} = (1, 6, 9, 15)
                                                                                              P_{1971} = (1, 5, 3, 12)
P_{1837} = (1, 2, 12, 2)
                               P_{1882} = (1, 6, 5, 13)
                                                              P_{1927} = (1, 5, 1, 4)
                                                                                              P_{1972} = (1, 6, 2, 8)
P_{1838} = (1, 9, 4, 9)
                               P_{1883} = (1, 7, 8, 11)
                                                              P_{1928} = (1, 1, 15, 14)
                                                                                              P_{1973} = (1, 14, 13, 6)
P_{1839} = (1, 7, 11, 7)
                               P_{1884} = (1, 3, 14, 10)
                                                              P_{1929} = (1, 9, 10, 3)
                                                                                              P_{1974} = (1, 2, 9, 15)
                               P_{1885} = (1, 8, 12, 2)
                                                              P_{1930} = (1, 8, 5, 13)
P_{1840} = (1, 5, 7, 5)
                                                                                              P_{1975} = (1, 3, 1, 4)
                                                              P_{1931} = (1, 3, 8, 11)
P_{1841} = (0, 1, 3, 12)
                               P_{1886} = (1, 15, 4, 9)
                                                                                              P_{1976} = (1, 8, 15, 14)
P_{1842} = (1, 2, 6, 1)
                               P_{1887} = (1, 5, 11, 7)
                                                              P_{1932} = (1, 4, 14, 10)
                                                                                              P_{1977} = (1, 7, 10, 3)
P_{1843} = (1, 1, 3, 12)
                               P_{1888} = (1, 13, 7, 5)
                                                              P_{1933} = (1, 14, 12, 2)
                                                                                              P_{1978} = (1, 15, 5, 13)
P_{1844} = (1, 9, 2, 8)
                               P_{1889} = (0, 1, 9, 15)
                                                              P_{1934} = (1, 13, 4, 9)
                                                                                              P_{1979} = (1, 1, 8, 11)
P_{1845} = (1, 12, 13, 6)
                               P_{1890} = (1, 5, 6, 1)
                                                              P_{1935} = (1, 12, 11, 7)
                                                                                              P_{1980} = (1, 11, 14, 10)
P_{1846} = (1, 7, 9, 15)
                               P_{1891} = (1, 14, 3, 12)
                                                              P_{1936} = (1, 2, 7, 5)
                                                                                              P_{1981} = (1, 13, 12, 2)
P_{1847} = (1, 8, 1, 4)
                               P_{1892} = (1, 3, 2, 8)
                                                              P_{1937} = (0, 1, 10, 3)
                                                                                              P_{1982} = (1, 12, 4, 9)
P_{1848} = (1, 5, 15, 14)
                               P_{1893} = (1, 7, 13, 6)
                                                              P_{1938} = (1, 8, 6, 1)
                                                                                              P_{1983} = (1, 4, 11, 7)
P_{1849} = (1, 6, 10, 3)
                               P_{1894} = (1, 1, 9, 15)
                                                              P_{1939} = (1, 4, 3, 12)
                                                                                              P_{1984} = (1, 9, 7, 5)
                               P_{1895} = (1, 13, 1, 4)
                                                              P_{1940} = (1, 15, 2, 8)
P_{1850} = (1, 3, 5, 13)
                                                                                              P_{1985} = (0, 1, 14, 10)
                               P_{1896} = (1, 4, 15, 14)
                                                              P_{1941} = (1, 2, 13, 6)
                                                                                              P_{1986} = (1, 11, 6, 1)
P_{1851} = (1, 15, 8, 11)
                               P_{1897} = (1, 15, 10, 3)
                                                              P_{1942} = (1, 5, 9, 15)
                                                                                              P_{1987} = (1, 9, 3, 12)
P_{1852} = (1, 13, 14, 10)
                                                              P_{1943} = (1, 11, 1, 4)
                                                                                              P_{1988} = (1, 14, 2, 8)
P_{1853} = (1, 4, 12, 2)
                               P_{1898} = (1, 11, 5, 13)
                               P_{1899} = (1, 12, 8, 11)
                                                              P_{1944} = (1, 13, 15, 14)
                                                                                              P_{1989} = (1, 8, 13, 6)
P_{1854} = (1, 11, 4, 9)
P_{1855} = (1, 14, 11, 7)
                               P_{1900} = (1, 9, 14, 10)
                                                              P_{1945} = (1, 1, 10, 3)
                                                                                              P_{1990} = (1, 13, 9, 15)
P_{1856} = (1, 10, 7, 5)
                               P_{1901} = (1, 10, 12, 2)
                                                              P_{1946} = (1, 12, 5, 13)
                                                                                              P_{1991} = (1, 7, 1, 4)
P_{1857} = (0, 1, 2, 8)
                               P_{1902} = (1, 6, 4, 9)
                                                              P_{1947} = (1, 14, 8, 11)
                                                                                              P_{1992} = (1, 6, 15, 14)
P_{1858} = (1, 3, 6, 1)
                               P_{1903} = (1, 2, 11, 7)
                                                              P_{1948} = (1, 6, 14, 10)
                                                                                              P_{1993} = (1, 4, 10, 3)
                               P_{1904} = (1, 8, 7, 5)
                                                              P_{1949} = (1, 9, 12, 2)
                                                                                              P_{1994} = (1, 2, 5, 13)
P_{1859} = (1, 13, 3, 12)
                               P_{1905} = (0, 1, 1, 4)
                                                              P_{1950} = (1, 7, 4, 9)
                                                                                              P_{1995} = (1, 10, 8, 11)
P_{1860} = (1, 1, 2, 8)
P_{1861} = (1, 10, 13, 6)
                               P_{1906} = (1, 6, 6, 1)
                                                              P_{1951} = (1, 10, 11, 7)
                                                                                              P_{1996} = (1, 1, 14, 10)
P_{1862} = (1, 8, 9, 15)
                               P_{1907} = (1, 3, 3, 12)
                                                              P_{1952} = (1, 3, 7, 5)
                                                                                              P_{1997} = (1, 15, 12, 2)
                               P_{1908} = (1, 2, 2, 8)
                                                              P_{1953} = (0, 1, 5, 13)
                                                                                              P_{1998} = (1, 5, 4, 9)
P_{1863} = (1, 12, 1, 4)
P_{1864} = (1, 11, 15, 14)
                               P_{1909} = (1, 13, 13, 6)
                                                              P_{1954} = (1, 9, 6, 1)
                                                                                              P_{1999} = (1, 3, 11, 7)
P_{1865} = (1, 5, 10, 3)
                               P_{1910} = (1, 9, 9, 15)
                                                              P_{1955} = (1, 8, 3, 12)
                                                                                              P_{2000} = (1, 12, 7, 5)
P_{1866} = (1, 14, 5, 13)
                               P_{1911} = (1, 1, 1, 4)
                                                              P_{1956} = (1, 7, 2, 8)
                                                                                              P_{2001} = (0, 1, 12, 2)
                                                              P_{1957} = (1, 4, 13, 6)
P_{1867} = (1, 4, 8, 11)
                               P_{1912} = (1, 15, 15, 14)
                                                                                              P_{2002} = (1, 12, 6, 1)
P_{1868} = (1, 7, 14, 10)
                               P_{1913} = (1, 10, 10, 3)
                                                              P_{1958} = (1, 10, 9, 15)
                                                                                              P_{2003} = (1, 6, 3, 12)
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P_{2004} = (1, 4, 2, 8)
                               P_{2049} = (0, 1, 7, 5)
                                                              P_{2094} = (1, 9, 13, 9)
                                                                                              P_{2139} = (1, 7, 3, 11)
P_{2005} = (1, 3, 13, 6)
                               P_{2050} = (1, 15, 6, 1)
                                                              P_{2095} = (1, 7, 12, 7)
                                                                                              P_{2140} = (1, 3, 4, 10)
P_{2006} = (1, 11, 9, 15)
                               P_{2051} = (1, 11, 3, 12)
                                                              P_{2096} = (1, 5, 2, 5)
                                                                                              P_{2141} = (1, 8, 14, 2)
P_{2007} = (1, 2, 1, 4)
                               P_{2052} = (1, 5, 2, 8)
                                                              P_{2097} = (0, 1, 15, 12)
                                                                                              P_{2142} = (1, 15, 13, 9)
P_{2008} = (1, 7, 15, 14)
                               P_{2053} = (1, 9, 13, 6)
                                                              P_{2098} = (1, 2, 7, 1)
                                                                                              P_{2143} = (1, 5, 12, 7)
                                                              P_{2099} = (1, 1, 15, 12)
P_{2009} = (1, 13, 10, 3)
                               P_{2054} = (1, 3, 9, 15)
                                                                                              P_{2144} = (1, 13, 2, 5)
P_{2010} = (1, 10, 5, 13)
                               P_{2055} = (1, 14, 1, 4)
                                                              P_{2100} = (1, 9, 10, 8)
                                                                                              P_{2145} = (0, 1, 6, 15)
P_{2011} = (1, 9, 8, 11)
                               P_{2056} = (1, 12, 15, 14)
                                                              P_{2101} = (1, 12, 11, 6)
                                                                                              P_{2146} = (1, 5, 7, 1)
                               P_{2057} = (1, 8, 10, 3)
P_{2012} = (1, 5, 14, 10)
                                                              P_{2102} = (1, 7, 6, 15)
                                                                                              P_{2147} = (1, 14, 15, 12)
                                                              P_{2103} = (1, 8, 5, 4)
P_{2013} = (1, 1, 12, 2)
                               P_{2058} = (1, 4, 5, 13)
                                                                                              P_{2148} = (1, 3, 10, 8)
P_{2014} = (1, 8, 4, 9)
                               P_{2059} = (1, 13, 8, 11)
                                                              P_{2104} = (1, 5, 1, 14)
                                                                                              P_{2149} = (1, 7, 11, 6)
                                                              P_{2105} = (1, 6, 9, 3)
P_{2015} = (1, 15, 11, 7)
                               P_{2060} = (1, 2, 14, 10)
                                                                                              P_{2150} = (1, 1, 6, 15)
P_{2016} = (1, 14, 7, 5)
                               P_{2061} = (1, 7, 12, 2)
                                                              P_{2106} = (1, 3, 8, 13)
                                                                                              P_{2151} = (1, 13, 5, 4)
                                                              P_{2107} = (1, 15, 3, 11)
P_{2017} = (0, 1, 4, 9)
                               P_{2062} = (1, 10, 4, 9)
                                                                                              P_{2152} = (1, 4, 1, 14)
P_{2018} = (1, 13, 6, 1)
                               P_{2063} = (1, 6, 11, 7)
                                                              P_{2108} = (1, 13, 4, 10)
                                                                                              P_{2153} = (1, 15, 9, 3)
P_{2019} = (1, 10, 3, 12)
                               P_{2064} = (1, 1, 7, 5)
                                                              P_{2109} = (1, 4, 14, 2)
                                                                                              P_{2154} = (1, 11, 8, 13)
P_{2020} = (1, 12, 2, 8)
                               P_{2065} = (0, 0, 1, 14)
                                                              P_{2110} = (1, 11, 13, 9)
                                                                                              P_{2155} = (1, 12, 3, 11)
P_{2021} = (1, 5, 13, 6)
                               P_{2066} = (1, 0, 7, 1)
                                                              P_{2111} = (1, 14, 12, 7)
                                                                                              P_{2156} = (1, 9, 4, 10)
P_{2022} = (1, 4, 9, 15)
                               P_{2067} = (1, 0, 15, 12)
                                                              P_{2112} = (1, 10, 2, 5)
                                                                                              P_{2157} = (1, 10, 14, 2)
                                                              P_{2113} = (0, 1, 10, 8)
P_{2023} = (1, 6, 1, 4)
                               P_{2068} = (1, 0, 10, 8)
                                                                                              P_{2158} = (1, 6, 13, 9)
                               P_{2069} = (1, 0, 11, 6)
                                                              P_{2114} = (1, 3, 7, 1)
                                                                                              P_{2159} = (1, 2, 12, 7)
P_{2024} = (1, 9, 15, 14)
P_{2025} = (1, 14, 10, 3)
                                                                                              P_{2160} = (1, 8, 2, 5)
                               P_{2070} = (1, 0, 6, 15)
                                                              P_{2115} = (1, 13, 15, 12)
                               P_{2071} = (1, 0, 5, 4)
                                                                                              P_{2161} = (0, 1, 5, 4)
P_{2026} = (1, 7, 5, 13)
                                                              P_{2116} = (1, 1, 10, 8)
P_{2027} = (1, 2, 8, 11)
                               P_{2072} = (1, 0, 1, 14)
                                                              P_{2117} = (1, 10, 11, 6)
                                                                                              P_{2162} = (1, 6, 7, 1)
                                                              P_{2118} = (1, 8, 6, 15)
P_{2028} = (1, 15, 14, 10)
                               P_{2073} = (1, 0, 9, 3)
                                                                                              P_{2163} = (1, 3, 15, 12)
P_{2029} = (1, 3, 12, 2)
                               P_{2074} = (1, 0, 8, 13)
                                                              P_{2119} = (1, 12, 5, 4)
                                                                                              P_{2164} = (1, 2, 10, 8)
                               P_{2075} = (1, 0, 3, 11)
P_{2030} = (1, 1, 4, 9)
                                                              P_{2120} = (1, 11, 1, 14)
                                                                                              P_{2165} = (1, 13, 11, 6)
P_{2031} = (1, 8, 11, 7)
                               P_{2076} = (1, 0, 4, 10)
                                                              P_{2121} = (1, 5, 9, 3)
                                                                                              P_{2166} = (1, 9, 6, 15)
                                                              P_{2122} = (1, 14, 8, 13)
                                                                                              P_{2167} = (1, 1, 5, 4)
P_{2032} = (1, 11, 7, 5)
                               P_{2077} = (1, 0, 14, 2)
P_{2033} = (0, 1, 11, 7)
                               P_{2078} = (1, 0, 13, 9)
                                                              P_{2123} = (1, 4, 3, 11)
                                                                                              P_{2168} = (1, 15, 1, 14)
                               P_{2079} = (1, 0, 12, 7)
                                                              P_{2124} = (1, 7, 4, 10)
P_{2034} = (1, 14, 6, 1)
                                                                                              P_{2169} = (1, 10, 9, 3)
P_{2035} = (1, 7, 3, 12)
                               P_{2080} = (1, 0, 2, 5)
                                                              P_{2125} = (1, 6, 14, 2)
                                                                                              P_{2170} = (1, 5, 8, 13)
P_{2036} = (1, 13, 2, 8)
                               P_{2081} = (0, 1, 7, 1)
                                                              P_{2126} = (1, 2, 13, 9)
                                                                                              P_{2171} = (1, 8, 3, 11)
P_{2037} = (1, 15, 13, 6)
                               P_{2082} = (1, 1, 7, 1)
                                                              P_{2127} = (1, 9, 12, 7)
                                                                                              P_{2172} = (1, 14, 4, 10)
P_{2038} = (1, 12, 9, 15)
                               P_{2083} = (1, 12, 15, 12)
                                                              P_{2128} = (1, 15, 2, 5)
                                                                                              P_{2173} = (1, 12, 14, 2)
                                                              P_{2129} = (0, 1, 11, 6)
P_{2039} = (1, 10, 1, 4)
                               P_{2084} = (1, 8, 10, 8)
                                                                                              P_{2174} = (1, 4, 13, 9)
P_{2040} = (1, 2, 15, 14)
                                                              P_{2130} = (1, 4, 7, 1)
                               P_{2085} = (1, 6, 11, 6)
                                                                                              P_{2175} = (1, 11, 12, 7)
P_{2041} = (1, 11, 10, 3)
                               P_{2086} = (1, 15, 6, 15)
                                                              P_{2131} = (1, 2, 15, 12)
                                                                                              P_{2176} = (1, 7, 2, 5)
P_{2042} = (1, 9, 5, 13)
                               P_{2087} = (1, 4, 5, 4)
                                                              P_{2132} = (1, 11, 10, 8)
                                                                                              P_{2177} = (0, 1, 1, 14)
                               P_{2088} = (1, 14, 1, 14)
                                                              P_{2133} = (1, 1, 11, 6)
                                                                                              P_{2178} = (1, 7, 7, 1)
P_{2043} = (1, 6, 8, 11)
P_{2044} = (1, 8, 14, 10)
                               P_{2089} = (1, 3, 9, 3)
                                                              P_{2134} = (1, 14, 6, 15)
                                                                                              P_{2179} = (1, 15, 15, 12)
                               P_{2090} = (1, 13, 8, 13)
                                                              P_{2135} = (1, 9, 5, 4)
                                                                                              P_{2180} = (1, 10, 10, 8)
P_{2045} = (1, 5, 12, 2)
P_{2046} = (1, 3, 4, 9)
                               P_{2091} = (1, 11, 3, 11)
                                                              P_{2136} = (1, 10, 1, 14)
                                                                                              P_{2181} = (1, 11, 11, 6)
P_{2047} = (1, 1, 11, 7)
                               P_{2092} = (1, 10, 4, 10)
                                                              P_{2137} = (1, 12, 9, 3)
                                                                                              P_{2182} = (1, 6, 6, 15)
P_{2048} = (1, 4, 7, 5)
                               P_{2093} = (1, 2, 14, 2)
                                                              P_{2138} = (1, 6, 8, 13)
                                                                                              P_{2183} = (1, 5, 5, 4)
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P_{2184} = (1, 1, 1, 14)
                               P_{2229} = (1, 14, 11, 6)
                                                              P_{2274} = (1, 13, 7, 1)
                                                                                              P_{2319} = (1, 6, 12, 7)
P_{2185} = (1, 9, 9, 3)
                               P_{2230} = (1, 2, 6, 15)
                                                              P_{2275} = (1, 10, 15, 12)
                                                                                              P_{2320} = (1, 1, 2, 5)
P_{2186} = (1, 8, 8, 13)
                               P_{2231} = (1, 3, 5, 4)
                                                              P_{2276} = (1, 12, 10, 8)
                                                                                              P_{2321} = (0, 0, 1, 3)
                               P_{2232} = (1, 8, 1, 14)
                                                              P_{2277} = (1, 5, 11, 6)
                                                                                              P_{2322} = (1, 0, 8, 1)
P_{2187} = (1, 3, 3, 11)
P_{2188} = (1, 4, 4, 10)
                               P_{2233} = (1, 7, 9, 3)
                                                              P_{2278} = (1, 4, 6, 15)
                                                                                              P_{2323} = (1, 0, 4, 12)
                                                              P_{2279} = (1, 6, 5, 4)
P_{2189} = (1, 14, 14, 2)
                               P_{2234} = (1, 15, 8, 13)
                                                                                              P_{2324} = (1, 0, 15, 8)
P_{2190} = (1, 13, 13, 9)
                               P_{2235} = (1, 1, 3, 11)
                                                              P_{2280} = (1, 9, 1, 14)
                                                                                              P_{2325} = (1, 0, 2, 6)
P_{2191} = (1, 12, 12, 7)
                               P_{2236} = (1, 11, 4, 10)
                                                              P_{2281} = (1, 14, 9, 3)
                                                                                              P_{2326} = (1, 0, 5, 15)
P_{2192} = (1, 2, 2, 5)
                               P_{2237} = (1, 13, 14, 2)
                                                              P_{2282} = (1, 7, 8, 13)
                                                                                              P_{2327} = (1, 0, 11, 4)
                                                              P_{2283} = (1, 2, 3, 11)
P_{2193} = (0, 1, 9, 3)
                               P_{2238} = (1, 12, 13, 9)
                                                                                              P_{2328} = (1, 0, 13, 14)
P_{2194} = (1, 8, 7, 1)
                               P_{2239} = (1, 4, 12, 7)
                                                              P_{2284} = (1, 15, 4, 10)
                                                                                              P_{2329} = (1, 0, 1, 3)
                               P_{2240} = (1, 9, 2, 5)
                                                              P_{2285} = (1, 3, 14, 2)
P_{2195} = (1, 4, 15, 12)
                                                                                              P_{2330} = (1, 0, 12, 13)
P_{2196} = (1, 15, 10, 8)
                               P_{2241} = (0, 1, 4, 10)
                                                              P_{2286} = (1, 1, 13, 9)
                                                                                              P_{2331} = (1, 0, 14, 11)
P_{2197} = (1, 2, 11, 6)
                               P_{2242} = (1, 11, 7, 1)
                                                              P_{2287} = (1, 8, 12, 7)
                                                                                              P_{2332} = (1, 0, 6, 10)
P_{2198} = (1, 5, 6, 15)
                               P_{2243} = (1, 9, 15, 12)
                                                              P_{2288} = (1, 11, 2, 5)
                                                                                              P_{2333} = (1, 0, 9, 2)
P_{2199} = (1, 11, 5, 4)
                               P_{2244} = (1, 14, 10, 8)
                                                              P_{2289} = (0, 1, 12, 7)
                                                                                              P_{2334} = (1, 0, 7, 9)
P_{2200} = (1, 13, 1, 14)
                               P_{2245} = (1, 8, 11, 6)
                                                              P_{2290} = (1, 14, 7, 1)
                                                                                              P_{2335} = (1, 0, 10, 7)
P_{2201} = (1, 1, 9, 3)
                               P_{2246} = (1, 13, 6, 15)
                                                              P_{2291} = (1, 7, 15, 12)
                                                                                              P_{2336} = (1, 0, 3, 5)
                                                                                              P_{2337} = (0, 1, 8, 1)
P_{2202} = (1, 12, 8, 13)
                               P_{2247} = (1, 7, 5, 4)
                                                              P_{2292} = (1, 13, 10, 8)
                               P_{2248} = (1, 6, 1, 14)
                                                              P_{2293} = (1, 15, 11, 6)
P_{2203} = (1, 14, 3, 11)
                                                                                              P_{2338} = (1, 1, 8, 1)
                               P_{2249} = (1, 4, 9, 3)
                                                              P_{2294} = (1, 12, 6, 15)
P_{2204} = (1, 6, 4, 10)
                                                                                              P_{2339} = (1, 12, 4, 12)
P_{2205} = (1, 9, 14, 2)
                               P_{2250} = (1, 2, 8, 13)
                                                              P_{2295} = (1, 10, 5, 4)
                                                                                              P_{2340} = (1, 8, 15, 8)
P_{2206} = (1, 7, 13, 9)
                               P_{2251} = (1, 10, 3, 11)
                                                              P_{2296} = (1, 2, 1, 14)
                                                                                              P_{2341} = (1, 6, 2, 6)
P_{2207} = (1, 10, 12, 7)
                               P_{2252} = (1, 1, 4, 10)
                                                              P_{2297} = (1, 11, 9, 3)
                                                                                              P_{2342} = (1, 15, 5, 15)
                                                              P_{2298} = (1, 9, 8, 13)
P_{2208} = (1, 3, 2, 5)
                               P_{2253} = (1, 15, 14, 2)
                                                                                              P_{2343} = (1, 4, 11, 4)
P_{2209} = (0, 1, 8, 13)
                               P_{2254} = (1, 5, 13, 9)
                                                              P_{2299} = (1, 6, 3, 11)
                                                                                              P_{2344} = (1, 14, 13, 14)
                               P_{2255} = (1, 3, 12, 7)
                                                              P_{2300} = (1, 8, 4, 10)
P_{2210} = (1, 9, 7, 1)
                                                                                              P_{2345} = (1, 3, 1, 3)
                               P_{2256} = (1, 12, 2, 5)
P_{2211} = (1, 8, 15, 12)
                                                              P_{2301} = (1, 5, 14, 2)
                                                                                              P_{2346} = (1, 13, 12, 13)
P_{2212} = (1, 7, 10, 8)
                                                              P_{2302} = (1, 3, 13, 9)
                               P_{2257} = (0, 1, 14, 2)
                                                                                              P_{2347} = (1, 11, 14, 11)
                               P_{2258} = (1, 12, 7, 1)
P_{2213} = (1, 4, 11, 6)
                                                              P_{2303} = (1, 1, 12, 7)
                                                                                              P_{2348} = (1, 10, 6, 10)
                               P_{2259} = (1, 6, 15, 12)
                                                              P_{2304} = (1, 4, 2, 5)
                                                                                              P_{2349} = (1, 2, 9, 2)
P_{2214} = (1, 10, 6, 15)
P_{2215} = (1, 15, 5, 4)
                               P_{2260} = (1, 4, 10, 8)
                                                              P_{2305} = (0, 1, 2, 5)
                                                                                              P_{2350} = (1, 9, 7, 9)
P_{2216} = (1, 3, 1, 14)
                               P_{2261} = (1, 3, 11, 6)
                                                              P_{2306} = (1, 15, 7, 1)
                                                                                              P_{2351} = (1, 7, 10, 7)
P_{2217} = (1, 2, 9, 3)
                               P_{2262} = (1, 11, 6, 15)
                                                              P_{2307} = (1, 11, 15, 12)
                                                                                              P_{2352} = (1, 5, 3, 5)
P_{2218} = (1, 1, 8, 13)
                               P_{2263} = (1, 2, 5, 4)
                                                              P_{2308} = (1, 5, 10, 8)
                                                                                              P_{2353} = (0, 1, 4, 12)
                                                              P_{2309} = (1, 9, 11, 6)
P_{2219} = (1, 5, 3, 11)
                               P_{2264} = (1, 7, 1, 14)
                                                                                              P_{2354} = (1, 2, 8, 1)
                               P_{2265} = (1, 13, 9, 3)
P_{2220} = (1, 12, 4, 10)
                                                              P_{2310} = (1, 3, 6, 15)
                                                                                              P_{2355} = (1, 1, 4, 12)
P_{2221} = (1, 11, 14, 2)
                               P_{2266} = (1, 10, 8, 13)
                                                              P_{2311} = (1, 14, 5, 4)
                                                                                              P_{2356} = (1, 9, 15, 8)
                                                                                              P_{2357} = (1, 12, 2, 6)
P_{2222} = (1, 14, 13, 9)
                               P_{2267} = (1, 9, 3, 11)
                                                              P_{2312} = (1, 12, 1, 14)
                               P_{2268} = (1, 5, 4, 10)
                                                              P_{2313} = (1, 8, 9, 3)
                                                                                              P_{2358} = (1, 7, 5, 15)
P_{2223} = (1, 13, 12, 7)
P_{2224} = (1, 6, 2, 5)
                               P_{2269} = (1, 1, 14, 2)
                                                              P_{2314} = (1, 4, 8, 13)
                                                                                              P_{2359} = (1, 8, 11, 4)
P_{2225} = (0, 1, 3, 11)
                               P_{2270} = (1, 8, 13, 9)
                                                              P_{2315} = (1, 13, 3, 11)
                                                                                              P_{2360} = (1, 5, 13, 14)
P_{2226} = (1, 10, 7, 1)
                               P_{2271} = (1, 15, 12, 7)
                                                              P_{2316} = (1, 2, 4, 10)
                                                                                              P_{2361} = (1, 6, 1, 3)
                                                              P_{2317} = (1, 7, 14, 2)
P_{2227} = (1, 5, 15, 12)
                               P_{2272} = (1, 14, 2, 5)
                                                                                              P_{2362} = (1, 3, 12, 13)
P_{2228} = (1, 6, 10, 8)
                               P_{2273} = (0, 1, 13, 9)
                                                              P_{2318} = (1, 10, 13, 9)
                                                                                              P_{2363} = (1, 15, 14, 11)
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P_{2364} = (1, 13, 6, 10)
                               P_{2409} = (1, 15, 1, 3)
                                                              P_{2454} = (1, 5, 5, 15)
                                                                                              P_{2499} = (1, 9, 4, 12)
P_{2365} = (1, 4, 9, 2)
                               P_{2410} = (1, 11, 12, 13)
                                                              P_{2455} = (1, 11, 11, 4)
                                                                                              P_{2500} = (1, 14, 15, 8)
                               P_{2411} = (1, 12, 14, 11)
                                                              P_{2456} = (1, 13, 13, 14)
P_{2366} = (1, 11, 7, 9)
                                                                                              P_{2501} = (1, 8, 2, 6)
                                                              P_{2457} = (1, 1, 1, 3)
                                                                                              P_{2502} = (1, 13, 5, 15)
P_{2367} = (1, 14, 10, 7)
                               P_{2412} = (1, 9, 6, 10)
P_{2368} = (1, 10, 3, 5)
                               P_{2413} = (1, 10, 9, 2)
                                                              P_{2458} = (1, 12, 12, 13)
                                                                                              P_{2503} = (1, 7, 11, 4)
P_{2369} = (0, 1, 15, 8)
                               P_{2414} = (1, 6, 7, 9)
                                                              P_{2459} = (1, 14, 14, 11)
                                                                                              P_{2504} = (1, 6, 13, 14)
P_{2370} = (1, 3, 8, 1)
                               P_{2415} = (1, 2, 10, 7)
                                                              P_{2460} = (1, 6, 6, 10)
                                                                                              P_{2505} = (1, 4, 1, 3)
P_{2371} = (1, 13, 4, 12)
                               P_{2416} = (1, 8, 3, 5)
                                                              P_{2461} = (1, 9, 9, 2)
                                                                                              P_{2506} = (1, 2, 12, 13)
                               P_{2417} = (0, 1, 11, 4)
P_{2372} = (1, 1, 15, 8)
                                                              P_{2462} = (1, 7, 7, 9)
                                                                                              P_{2507} = (1, 10, 14, 11)
                               P_{2418} = (1, 6, 8, 1)
                                                              P_{2463} = (1, 10, 10, 7)
P_{2373} = (1, 10, 2, 6)
                                                                                              P_{2508} = (1, 1, 6, 10)
P_{2374} = (1, 8, 5, 15)
                               P_{2419} = (1, 3, 4, 12)
                                                              P_{2464} = (1, 3, 3, 5)
                                                                                              P_{2509} = (1, 15, 9, 2)
P_{2375} = (1, 12, 11, 4)
                               P_{2420} = (1, 2, 15, 8)
                                                              P_{2465} = (0, 1, 12, 13)
                                                                                              P_{2510} = (1, 5, 7, 9)
P_{2376} = (1, 11, 13, 14)
                               P_{2421} = (1, 13, 2, 6)
                                                              P_{2466} = (1, 9, 8, 1)
                                                                                              P_{2511} = (1, 3, 10, 7)
P_{2377} = (1, 5, 1, 3)
                               P_{2422} = (1, 9, 5, 15)
                                                              P_{2467} = (1, 8, 4, 12)
                                                                                              P_{2512} = (1, 12, 3, 5)
P_{2378} = (1, 14, 12, 13)
                               P_{2423} = (1, 1, 11, 4)
                                                              P_{2468} = (1, 7, 15, 8)
                                                                                              P_{2513} = (0, 1, 9, 2)
P_{2379} = (1, 4, 14, 11)
                               P_{2424} = (1, 15, 13, 14)
                                                              P_{2469} = (1, 4, 2, 6)
                                                                                              P_{2514} = (1, 12, 8, 1)
P_{2380} = (1, 7, 6, 10)
                               P_{2425} = (1, 10, 1, 3)
                                                              P_{2470} = (1, 10, 5, 15)
                                                                                              P_{2515} = (1, 6, 4, 12)
                               P_{2426} = (1, 5, 12, 13)
                                                              P_{2471} = (1, 15, 11, 4)
P_{2381} = (1, 6, 9, 2)
                                                                                              P_{2516} = (1, 4, 15, 8)
                                                                                              P_{2517} = (1, 3, 2, 6)
P_{2382} = (1, 2, 7, 9)
                               P_{2427} = (1, 8, 14, 11)
                                                              P_{2472} = (1, 3, 13, 14)
                                                                                              P_{2518} = (1, 11, 5, 15)
                               P_{2428} = (1, 14, 6, 10)
                                                              P_{2473} = (1, 2, 1, 3)
P_{2383} = (1, 9, 10, 7)
                               P_{2429} = (1, 12, 9, 2)
                                                              P_{2474} = (1, 1, 12, 13)
                                                                                              P_{2519} = (1, 2, 11, 4)
P_{2384} = (1, 15, 3, 5)
P_{2385} = (0, 1, 2, 6)
                               P_{2430} = (1, 4, 7, 9)
                                                              P_{2475} = (1, 5, 14, 11)
                                                                                              P_{2520} = (1, 7, 13, 14)
                                                              P_{2476} = (1, 12, 6, 10)
P_{2386} = (1, 4, 8, 1)
                               P_{2431} = (1, 11, 10, 7)
                                                                                              P_{2521} = (1, 13, 1, 3)
P_{2387} = (1, 2, 4, 12)
                               P_{2432} = (1, 7, 3, 5)
                                                              P_{2477} = (1, 11, 9, 2)
                                                                                              P_{2522} = (1, 10, 12, 13)
                                                              P_{2478} = (1, 14, 7, 9)
P_{2388} = (1, 11, 15, 8)
                               P_{2433} = (0, 1, 13, 14)
                                                                                              P_{2523} = (1, 9, 14, 11)
P_{2389} = (1, 1, 2, 6)
                               P_{2434} = (1, 7, 8, 1)
                                                              P_{2479} = (1, 13, 10, 7)
                                                                                              P_{2524} = (1, 5, 6, 10)
                                                              P_{2480} = (1, 6, 3, 5)
                                                                                              P_{2525} = (1, 1, 9, 2)
P_{2390} = (1, 14, 5, 15)
                               P_{2435} = (1, 15, 4, 12)
P_{2391} = (1, 9, 11, 4)
                               P_{2436} = (1, 10, 15, 8)
                                                              P_{2481} = (0, 1, 14, 11)
                                                                                              P_{2526} = (1, 8, 7, 9)
                                                              P_{2482} = (1, 10, 8, 1)
                                                                                              P_{2527} = (1, 15, 10, 7)
P_{2392} = (1, 10, 13, 14)
                               P_{2437} = (1, 11, 2, 6)
                                                                                              P_{2528} = (1, 14, 3, 5)
P_{2393} = (1, 12, 1, 3)
                               P_{2438} = (1, 6, 5, 15)
                                                              P_{2483} = (1, 5, 4, 12)
                               P_{2439} = (1, 5, 11, 4)
                                                              P_{2484} = (1, 6, 15, 8)
                                                                                              P_{2529} = (0, 1, 7, 9)
P_{2394} = (1, 6, 12, 13)
P_{2395} = (1, 7, 14, 11)
                               P_{2440} = (1, 1, 13, 14)
                                                              P_{2485} = (1, 14, 2, 6)
                                                                                              P_{2530} = (1, 13, 8, 1)
P_{2396} = (1, 3, 6, 10)
                               P_{2441} = (1, 9, 1, 3)
                                                              P_{2486} = (1, 2, 5, 15)
                                                                                              P_{2531} = (1, 10, 4, 12)
P_{2397} = (1, 8, 9, 2)
                               P_{2442} = (1, 8, 12, 13)
                                                              P_{2487} = (1, 3, 11, 4)
                                                                                              P_{2532} = (1, 12, 15, 8)
P_{2398} = (1, 15, 7, 9)
                               P_{2443} = (1, 3, 14, 11)
                                                              P_{2488} = (1, 8, 13, 14)
                                                                                              P_{2533} = (1, 5, 2, 6)
P_{2399} = (1, 5, 10, 7)
                               P_{2444} = (1, 4, 6, 10)
                                                              P_{2489} = (1, 7, 1, 3)
                                                                                              P_{2534} = (1, 4, 5, 15)
                               P_{2445} = (1, 14, 9, 2)
P_{2400} = (1, 13, 3, 5)
                                                              P_{2490} = (1, 15, 12, 13)
                                                                                              P_{2535} = (1, 6, 11, 4)
P_{2401} = (0, 1, 5, 15)
                               P_{2446} = (1, 13, 7, 9)
                                                              P_{2491} = (1, 1, 14, 11)
                                                                                              P_{2536} = (1, 9, 13, 14)
                                                                                              P_{2537} = (1, 14, 1, 3)
P_{2402} = (1, 5, 8, 1)
                               P_{2447} = (1, 12, 10, 7)
                                                              P_{2492} = (1, 11, 6, 10)
                               P_{2448} = (1, 2, 3, 5)
                                                              P_{2493} = (1, 13, 9, 2)
                                                                                              P_{2538} = (1, 7, 12, 13)
P_{2403} = (1, 14, 4, 12)
P_{2404} = (1, 3, 15, 8)
                               P_{2449} = (0, 1, 1, 3)
                                                              P_{2494} = (1, 12, 7, 9)
                                                                                              P_{2539} = (1, 2, 14, 11)
                               P_{2450} = (1, 8, 8, 1)
P_{2405} = (1, 7, 2, 6)
                                                              P_{2495} = (1, 4, 10, 7)
                                                                                              P_{2540} = (1, 15, 6, 10)
P_{2406} = (1, 1, 5, 15)
                               P_{2451} = (1, 4, 4, 12)
                                                              P_{2496} = (1, 9, 3, 5)
                                                                                              P_{2541} = (1, 3, 9, 2)
                                                              P_{2497} = (0, 1, 6, 10)
                                                                                              P_{2542} = (1, 1, 7, 9)
P_{2407} = (1, 13, 11, 4)
                               P_{2452} = (1, 15, 15, 8)
P_{2408} = (1, 4, 13, 14)
                               P_{2453} = (1, 2, 2, 6)
                                                              P_{2498} = (1, 11, 8, 1)
                                                                                              P_{2543} = (1, 8, 10, 7)
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P_{2544} = (1, 11, 3, 5)
                               P_{2589} = (1, 0, 11, 2)
                                                              P_{2634} = (1, 14, 1, 13)
                                                                                              P_{2679} = (1, 1, 15, 4)
P_{2545} = (0, 1, 10, 7)
                               P_{2590} = (1, 0, 14, 9)
                                                              P_{2635} = (1, 4, 5, 11)
                                                                                              P_{2680} = (1, 15, 3, 14)
P_{2546} = (1, 14, 8, 1)
                               P_{2591} = (1, 0, 13, 7)
                                                              P_{2636} = (1, 7, 12, 10)
                                                                                              P_{2681} = (1, 10, 2, 3)
P_{2547} = (1, 7, 4, 12)
                               P_{2592} = (1, 0, 6, 5)
                                                              P_{2637} = (1, 6, 11, 2)
                                                                                              P_{2682} = (1, 5, 1, 13)
P_{2548} = (1, 13, 15, 8)
                               P_{2593} = (0, 1, 9, 1)
                                                              P_{2638} = (1, 2, 14, 9)
                                                                                              P_{2683} = (1, 8, 5, 11)
                                                              P_{2639} = (1, 9, 13, 7)
P_{2549} = (1, 15, 2, 6)
                               P_{2594} = (1, 1, 9, 1)
                                                                                              P_{2684} = (1, 14, 12, 10)
P_{2550} = (1, 12, 5, 15)
                               P_{2595} = (1, 12, 8, 12)
                                                              P_{2640} = (1, 15, 6, 5)
                                                                                              P_{2685} = (1, 12, 11, 2)
P_{2551} = (1, 10, 11, 4)
                               P_{2596} = (1, 8, 7, 8)
                                                              P_{2641} = (0, 1, 4, 6)
                                                                                              P_{2686} = (1, 4, 14, 9)
P_{2552} = (1, 2, 13, 14)
                               P_{2597} = (1, 6, 4, 6)
                                                              P_{2642} = (1, 4, 9, 1)
                                                                                              P_{2687} = (1, 11, 13, 7)
                               P_{2598} = (1, 15, 10, 15)
                                                              P_{2643} = (1, 2, 8, 12)
P_{2553} = (1, 11, 1, 3)
                                                                                              P_{2688} = (1, 7, 6, 5)
P_{2554} = (1, 9, 12, 13)
                               P_{2599} = (1, 4, 15, 4)
                                                              P_{2644} = (1, 11, 7, 8)
                                                                                              P_{2689} = (0, 1, 3, 14)
                                                              P_{2645} = (1, 1, 4, 6)
P_{2555} = (1, 6, 14, 11)
                               P_{2600} = (1, 14, 3, 14)
                                                                                              P_{2690} = (1, 7, 9, 1)
P_{2556} = (1, 8, 6, 10)
                               P_{2601} = (1, 3, 2, 3)
                                                              P_{2646} = (1, 14, 10, 15)
                                                                                              P_{2691} = (1, 15, 8, 12)
P_{2557} = (1, 5, 9, 2)
                                                              P_{2647} = (1, 9, 15, 4)
                               P_{2602} = (1, 13, 1, 13)
                                                                                              P_{2692} = (1, 10, 7, 8)
P_{2558} = (1, 3, 7, 9)
                               P_{2603} = (1, 11, 5, 11)
                                                              P_{2648} = (1, 10, 3, 14)
                                                                                              P_{2693} = (1, 11, 4, 6)
P_{2559} = (1, 1, 10, 7)
                               P_{2604} = (1, 10, 12, 10)
                                                              P_{2649} = (1, 12, 2, 3)
                                                                                              P_{2694} = (1, 6, 10, 15)
P_{2560} = (1, 4, 3, 5)
                               P_{2605} = (1, 2, 11, 2)
                                                              P_{2650} = (1, 6, 1, 13)
                                                                                              P_{2695} = (1, 5, 15, 4)
P_{2561} = (0, 1, 3, 5)
                               P_{2606} = (1, 9, 14, 9)
                                                              P_{2651} = (1, 7, 5, 11)
                                                                                              P_{2696} = (1, 1, 3, 14)
                               P_{2607} = (1, 7, 13, 7)
P_{2562} = (1, 15, 8, 1)
                                                              P_{2652} = (1, 3, 12, 10)
                                                                                              P_{2697} = (1, 9, 2, 3)
                               P_{2608} = (1, 5, 6, 5)
                                                              P_{2653} = (1, 8, 11, 2)
P_{2563} = (1, 11, 4, 12)
                                                                                              P_{2698} = (1, 8, 1, 13)
                               P_{2609} = (0, 1, 8, 12)
                                                              P_{2654} = (1, 15, 14, 9)
                                                                                              P_{2699} = (1, 3, 5, 11)
P_{2564} = (1, 5, 15, 8)
                                                              P_{2655} = (1, 5, 13, 7)
P_{2565} = (1, 9, 2, 6)
                               P_{2610} = (1, 2, 9, 1)
                                                                                              P_{2700} = (1, 4, 12, 10)
P_{2566} = (1, 3, 5, 15)
                               P_{2611} = (1, 1, 8, 12)
                                                              P_{2656} = (1, 13, 6, 5)
                                                                                              P_{2701} = (1, 14, 11, 2)
P_{2567} = (1, 14, 11, 4)
                               P_{2612} = (1, 9, 7, 8)
                                                              P_{2657} = (0, 1, 10, 15)
                                                                                              P_{2702} = (1, 13, 14, 9)
                                                              P_{2658} = (1, 5, 9, 1)
P_{2568} = (1, 12, 13, 14)
                               P_{2613} = (1, 12, 4, 6)
                                                                                              P_{2703} = (1, 12, 13, 7)
P_{2569} = (1, 8, 1, 3)
                               P_{2614} = (1, 7, 10, 15)
                                                              P_{2659} = (1, 14, 8, 12)
                                                                                              P_{2704} = (1, 2, 6, 5)
                                                                                              P_{2705} = (0, 1, 2, 3)
P_{2570} = (1, 4, 12, 13)
                               P_{2615} = (1, 8, 15, 4)
                                                              P_{2660} = (1, 3, 7, 8)
                               P_{2616} = (1, 5, 3, 14)
                                                              P_{2661} = (1, 7, 4, 6)
                                                                                              P_{2706} = (1, 8, 9, 1)
P_{2571} = (1, 13, 14, 11)
P_{2572} = (1, 2, 6, 10)
                               P_{2617} = (1, 6, 2, 3)
                                                              P_{2662} = (1, 1, 10, 15)
                                                                                              P_{2707} = (1, 4, 8, 12)
                               P_{2618} = (1, 3, 1, 13)
P_{2573} = (1, 7, 9, 2)
                                                              P_{2663} = (1, 13, 15, 4)
                                                                                              P_{2708} = (1, 15, 7, 8)
P_{2574} = (1, 10, 7, 9)
                               P_{2619} = (1, 15, 5, 11)
                                                              P_{2664} = (1, 4, 3, 14)
                                                                                              P_{2709} = (1, 2, 4, 6)
P_{2575} = (1, 6, 10, 7)
                               P_{2620} = (1, 13, 12, 10)
                                                              P_{2665} = (1, 15, 2, 3)
                                                                                              P_{2710} = (1, 5, 10, 15)
P_{2576} = (1, 1, 3, 5)
                               P_{2621} = (1, 4, 11, 2)
                                                              P_{2666} = (1, 11, 1, 13)
                                                                                              P_{2711} = (1, 11, 15, 4)
P_{2577} = (0, 0, 1, 13)
                               P_{2622} = (1, 11, 14, 9)
                                                              P_{2667} = (1, 12, 5, 11)
                                                                                              P_{2712} = (1, 13, 3, 14)
P_{2578} = (1, 0, 9, 1)
                               P_{2623} = (1, 14, 13, 7)
                                                              P_{2668} = (1, 9, 12, 10)
                                                                                              P_{2713} = (1, 1, 2, 3)
                                                              P_{2669} = (1, 10, 11, 2)
                                                                                              P_{2714} = (1, 12, 1, 13)
P_{2579} = (1, 0, 8, 12)
                               P_{2624} = (1, 10, 6, 5)
                               P_{2625} = (0, 1, 7, 8)
                                                                                              P_{2715} = (1, 14, 5, 11)
P_{2580} = (1, 0, 7, 8)
                                                              P_{2670} = (1, 6, 14, 9)
P_{2581} = (1, 0, 4, 6)
                               P_{2626} = (1, 3, 9, 1)
                                                              P_{2671} = (1, 2, 13, 7)
                                                                                              P_{2716} = (1, 6, 12, 10)
P_{2582} = (1, 0, 10, 15)
                               P_{2627} = (1, 13, 8, 12)
                                                              P_{2672} = (1, 8, 6, 5)
                                                                                              P_{2717} = (1, 9, 11, 2)
                               P_{2628} = (1, 1, 7, 8)
                                                              P_{2673} = (0, 1, 15, 4)
                                                                                              P_{2718} = (1, 7, 14, 9)
P_{2583} = (1, 0, 15, 4)
P_{2584} = (1, 0, 3, 14)
                               P_{2629} = (1, 10, 4, 6)
                                                              P_{2674} = (1, 6, 9, 1)
                                                                                              P_{2719} = (1, 10, 13, 7)
P_{2585} = (1, 0, 2, 3)
                               P_{2630} = (1, 8, 10, 15)
                                                              P_{2675} = (1, 3, 8, 12)
                                                                                              P_{2720} = (1, 3, 6, 5)
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                               P_{2631} = (1, 12, 15, 4)
                                                              P_{2676} = (1, 2, 7, 8)
                                                                                              P_{2721} = (0, 1, 1, 13)
P_{2587} = (1, 0, 5, 11)
                                                              P_{2677} = (1, 13, 4, 6)
                                                                                              P_{2722} = (1, 9, 9, 1)
                               P_{2632} = (1, 11, 3, 14)
P_{2588} = (1, 0, 12, 10)
                               P_{2633} = (1, 5, 2, 3)
                                                              P_{2678} = (1, 9, 10, 15)
                                                                                              P_{2723} = (1, 8, 8, 12)
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P_{2724} = (1, 7, 7, 8)
                               P_{2769} = (0, 1, 11, 2)
                                                              P_{2814} = (1, 3, 14, 9)
                                                                                              P_{2859} = (1, 11, 1, 11)
P_{2725} = (1, 4, 4, 6)
                                                              P_{2815} = (1, 1, 13, 7)
                               P_{2770} = (1, 12, 9, 1)
                                                                                              P_{2860} = (1, 10, 11, 10)
P_{2726} = (1, 10, 10, 15)
                               P_{2771} = (1, 6, 8, 12)
                                                              P_{2816} = (1, 4, 6, 5)
                                                                                              P_{2861} = (1, 2, 13, 2)
P_{2727} = (1, 15, 15, 4)
                               P_{2772} = (1, 4, 7, 8)
                                                              P_{2817} = (0, 1, 6, 5)
                                                                                              P_{2862} = (1, 9, 12, 9)
P_{2728} = (1, 3, 3, 14)
                               P_{2773} = (1, 3, 4, 6)
                                                              P_{2818} = (1, 15, 9, 1)
                                                                                              P_{2863} = (1, 7, 4, 7)
                               P_{2774} = (1, 11, 10, 15)
                                                              P_{2819} = (1, 11, 8, 12)
P_{2729} = (1, 2, 2, 3)
                                                                                              P_{2864} = (1, 5, 9, 5)
P_{2730} = (1, 1, 1, 13)
                               P_{2775} = (1, 2, 15, 4)
                                                              P_{2820} = (1, 5, 7, 8)
                                                                                              P_{2865} = (0, 1, 5, 12)
                                                                                              P_{2866} = (1, 2, 10, 1)
P_{2731} = (1, 5, 5, 11)
                               P_{2776} = (1, 7, 3, 14)
                                                              P_{2821} = (1, 9, 4, 6)
                               P_{2777} = (1, 13, 2, 3)
P_{2732} = (1, 12, 12, 10)
                                                              P_{2822} = (1, 3, 10, 15)
                                                                                              P_{2867} = (1, 1, 5, 12)
                               P_{2778} = (1, 10, 1, 13)
                                                              P_{2823} = (1, 14, 15, 4)
P_{2733} = (1, 11, 11, 2)
                                                                                              P_{2868} = (1, 9, 6, 8)
P_{2734} = (1, 14, 14, 9)
                               P_{2779} = (1, 9, 5, 11)
                                                              P_{2824} = (1, 12, 3, 14)
                                                                                              P_{2869} = (1, 12, 14, 6)
                               P_{2780} = (1, 5, 12, 10)
P_{2735} = (1, 13, 13, 7)
                                                              P_{2825} = (1, 8, 2, 3)
                                                                                              P_{2870} = (1, 7, 2, 15)
P_{2736} = (1, 6, 6, 5)
                               P_{2781} = (1, 1, 11, 2)
                                                              P_{2826} = (1, 4, 1, 13)
                                                                                              P_{2871} = (1, 8, 3, 4)
P_{2737} = (0, 1, 5, 11)
                               P_{2782} = (1, 8, 14, 9)
                                                              P_{2827} = (1, 13, 5, 11)
                                                                                              P_{2872} = (1, 5, 8, 14)
P_{2738} = (1, 10, 9, 1)
                               P_{2783} = (1, 15, 13, 7)
                                                              P_{2828} = (1, 2, 12, 10)
                                                                                              P_{2873} = (1, 6, 7, 3)
P_{2739} = (1, 5, 8, 12)
                               P_{2784} = (1, 14, 6, 5)
                                                              P_{2829} = (1, 7, 11, 2)
                                                                                              P_{2874} = (1, 3, 15, 13)
P_{2740} = (1, 6, 7, 8)
                               P_{2785} = (0, 1, 14, 9)
                                                              P_{2830} = (1, 10, 14, 9)
                                                                                              P_{2875} = (1, 15, 1, 11)
                               P_{2786} = (1, 13, 9, 1)
P_{2741} = (1, 14, 4, 6)
                                                              P_{2831} = (1, 6, 13, 7)
                                                                                              P_{2876} = (1, 13, 11, 10)
P_{2742} = (1, 2, 10, 15)
                               P_{2787} = (1, 10, 8, 12)
                                                              P_{2832} = (1, 1, 6, 5)
                                                                                              P_{2877} = (1, 4, 13, 2)
                                                              P_{2833} = (0, 0, 1, 11)
P_{2743} = (1, 3, 15, 4)
                               P_{2788} = (1, 12, 7, 8)
                                                                                              P_{2878} = (1, 11, 12, 9)
P_{2744} = (1, 8, 3, 14)
                               P_{2789} = (1, 5, 4, 6)
                                                              P_{2834} = (1, 0, 10, 1)
                                                                                              P_{2879} = (1, 14, 4, 7)
P_{2745} = (1, 7, 2, 3)
                               P_{2790} = (1, 4, 10, 15)
                                                              P_{2835} = (1, 0, 5, 12)
                                                                                              P_{2880} = (1, 10, 9, 5)
                                                              P_{2836} = (1, 0, 6, 8)
P_{2746} = (1, 15, 1, 13)
                               P_{2791} = (1, 6, 15, 4)
                                                                                              P_{2881} = (0, 1, 6, 8)
P_{2747} = (1, 1, 5, 11)
                               P_{2792} = (1, 9, 3, 14)
                                                              P_{2837} = (1, 0, 14, 6)
                                                                                              P_{2882} = (1, 3, 10, 1)
                               P_{2793} = (1, 14, 2, 3)
                                                              P_{2838} = (1, 0, 2, 15)
P_{2748} = (1, 11, 12, 10)
                                                                                              P_{2883} = (1, 13, 5, 12)
P_{2749} = (1, 13, 11, 2)
                               P_{2794} = (1, 7, 1, 13)
                                                              P_{2839} = (1, 0, 3, 4)
                                                                                              P_{2884} = (1, 1, 6, 8)
                               P_{2795} = (1, 2, 5, 11)
P_{2750} = (1, 12, 14, 9)
                                                              P_{2840} = (1, 0, 8, 14)
                                                                                              P_{2885} = (1, 10, 14, 6)
                               P_{2796} = (1, 15, 12, 10)
P_{2751} = (1, 4, 13, 7)
                                                              P_{2841} = (1, 0, 7, 3)
                                                                                              P_{2886} = (1, 8, 2, 15)
                                                              P_{2842} = (1, 0, 15, 13)
                                                                                              P_{2887} = (1, 12, 3, 4)
P_{2752} = (1, 9, 6, 5)
                               P_{2797} = (1, 3, 11, 2)
P_{2753} = (0, 1, 12, 10)
                               P_{2798} = (1, 1, 14, 9)
                                                              P_{2843} = (1, 0, 1, 11)
                                                                                              P_{2888} = (1, 11, 8, 14)
                               P_{2799} = (1, 8, 13, 7)
                                                                                              P_{2889} = (1, 5, 7, 3)
P_{2754} = (1, 11, 9, 1)
                                                              P_{2844} = (1, 0, 11, 10)
P_{2755} = (1, 9, 8, 12)
                               P_{2800} = (1, 11, 6, 5)
                                                              P_{2845} = (1, 0, 13, 2)
                                                                                              P_{2890} = (1, 14, 15, 13)
P_{2756} = (1, 14, 7, 8)
                               P_{2801} = (0, 1, 13, 7)
                                                              P_{2846} = (1, 0, 12, 9)
                                                                                              P_{2891} = (1, 4, 1, 11)
P_{2757} = (1, 8, 4, 6)
                               P_{2802} = (1, 14, 9, 1)
                                                              P_{2847} = (1, 0, 4, 7)
                                                                                              P_{2892} = (1, 7, 11, 10)
P_{2758} = (1, 13, 10, 15)
                               P_{2803} = (1, 7, 8, 12)
                                                              P_{2848} = (1, 0, 9, 5)
                                                                                              P_{2893} = (1, 6, 13, 2)
                                                              P_{2849} = (0, 1, 10, 1)
P_{2759} = (1, 7, 15, 4)
                               P_{2804} = (1, 13, 7, 8)
                                                                                              P_{2894} = (1, 2, 12, 9)
                               P_{2805} = (1, 15, 4, 6)
                                                              P_{2850} = (1, 1, 10, 1)
P_{2760} = (1, 6, 3, 14)
                                                                                              P_{2895} = (1, 9, 4, 7)
P_{2761} = (1, 4, 2, 3)
                               P_{2806} = (1, 12, 10, 15)
                                                              P_{2851} = (1, 12, 5, 12)
                                                                                              P_{2896} = (1, 15, 9, 5)
P_{2762} = (1, 2, 1, 13)
                               P_{2807} = (1, 10, 15, 4)
                                                              P_{2852} = (1, 8, 6, 8)
                                                                                              P_{2897} = (0, 1, 14, 6)
                               P_{2808} = (1, 2, 3, 14)
                                                              P_{2853} = (1, 6, 14, 6)
                                                                                              P_{2898} = (1, 4, 10, 1)
P_{2763} = (1, 10, 5, 11)
P_{2764} = (1, 1, 12, 10)
                               P_{2809} = (1, 11, 2, 3)
                                                              P_{2854} = (1, 15, 2, 15)
                                                                                              P_{2899} = (1, 2, 5, 12)
                                                              P_{2855} = (1, 4, 3, 4)
P_{2765} = (1, 15, 11, 2)
                               P_{2810} = (1, 9, 1, 13)
                                                                                              P_{2900} = (1, 11, 6, 8)
P_{2766} = (1, 5, 14, 9)
                               P_{2811} = (1, 6, 5, 11)
                                                              P_{2856} = (1, 14, 8, 14)
                                                                                              P_{2901} = (1, 1, 14, 6)
                                                              P_{2857} = (1, 3, 7, 3)
                                                                                              P_{2902} = (1, 14, 2, 15)
P_{2767} = (1, 3, 13, 7)
                               P_{2812} = (1, 8, 12, 10)
                                                              P_{2858} = (1, 13, 15, 13)
                                                                                              P_{2903} = (1, 9, 3, 4)
P_{2768} = (1, 12, 6, 5)
                               P_{2813} = (1, 5, 11, 2)
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P_{2949} = (1, 11, 14, 6)
                                                              P_{2994} = (1, 10, 10, 1)
P_{2904} = (1, 10, 8, 14)
                                                                                              P_{3039} = (1, 15, 4, 7)
P_{2905} = (1, 12, 7, 3)
                               P_{2950} = (1, 6, 2, 15)
                                                              P_{2995} = (1, 5, 5, 12)
                                                                                              P_{3040} = (1, 14, 9, 5)
P_{2906} = (1, 6, 15, 13)
                               P_{2951} = (1, 5, 3, 4)
                                                              P_{2996} = (1, 6, 6, 8)
                                                                                              P_{3041} = (0, 1, 12, 9)
P_{2907} = (1, 7, 1, 11)
                               P_{2952} = (1, 1, 8, 14)
                                                              P_{2997} = (1, 14, 14, 6)
                                                                                              P_{3042} = (1, 13, 10, 1)
P_{2908} = (1, 3, 11, 10)
                               P_{2953} = (1, 9, 7, 3)
                                                              P_{2998} = (1, 2, 2, 15)
                                                                                              P_{3043} = (1, 10, 5, 12)
                                                              P_{2999} = (1, 3, 3, 4)
P_{2909} = (1, 8, 13, 2)
                               P_{2954} = (1, 8, 15, 13)
                                                                                              P_{3044} = (1, 12, 6, 8)
P_{2910} = (1, 15, 12, 9)
                               P_{2955} = (1, 3, 1, 11)
                                                              P_{3000} = (1, 8, 8, 14)
                                                                                              P_{3045} = (1, 5, 14, 6)
P_{2911} = (1, 5, 4, 7)
                               P_{2956} = (1, 4, 11, 10)
                                                              P_{3001} = (1, 7, 7, 3)
                                                                                              P_{3046} = (1, 4, 2, 15)
P_{2912} = (1, 13, 9, 5)
                               P_{2957} = (1, 14, 13, 2)
                                                              P_{3002} = (1, 15, 15, 13)
                                                                                              P_{3047} = (1, 6, 3, 4)
P_{2913} = (0, 1, 2, 15)
                               P_{2958} = (1, 13, 12, 9)
                                                              P_{3003} = (1, 1, 1, 11)
                                                                                              P_{3048} = (1, 9, 8, 14)
P_{2914} = (1, 5, 10, 1)
                               P_{2959} = (1, 12, 4, 7)
                                                              P_{3004} = (1, 11, 11, 10)
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                                                                                              P_{3050} = (1, 7, 15, 13)
P_{2915} = (1, 14, 5, 12)
                               P_{2960} = (1, 2, 9, 5)
                                                              P_{3005} = (1, 13, 13, 2)
P_{2916} = (1, 3, 6, 8)
                               P_{2961} = (0, 1, 7, 3)
                                                              P_{3006} = (1, 12, 12, 9)
                                                                                              P_{3051} = (1, 2, 1, 11)
P_{2917} = (1, 7, 14, 6)
                               P_{2962} = (1, 8, 10, 1)
                                                              P_{3007} = (1, 4, 4, 7)
                                                                                              P_{3052} = (1, 15, 11, 10)
P_{2918} = (1, 1, 2, 15)
                               P_{2963} = (1, 4, 5, 12)
                                                              P_{3008} = (1, 9, 9, 5)
                                                                                              P_{3053} = (1, 3, 13, 2)
P_{2919} = (1, 13, 3, 4)
                               P_{2964} = (1, 15, 6, 8)
                                                              P_{3009} = (0, 1, 11, 10)
                                                                                              P_{3054} = (1, 1, 12, 9)
                               P_{2965} = (1, 2, 14, 6)
                                                              P_{3010} = (1, 11, 10, 1)
P_{2920} = (1, 4, 8, 14)
                                                                                              P_{3055} = (1, 8, 4, 7)
                               P_{2966} = (1, 5, 2, 15)
P_{2921} = (1, 15, 7, 3)
                                                              P_{3011} = (1, 9, 5, 12)
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P_{2922} = (1, 11, 15, 13)
                               P_{2967} = (1, 11, 3, 4)
                                                                                              P_{3057} = (0, 1, 4, 7)
                                                              P_{3012} = (1, 14, 6, 8)
P_{2923} = (1, 12, 1, 11)
                               P_{2968} = (1, 13, 8, 14)
                                                              P_{3013} = (1, 8, 14, 6)
                                                                                              P_{3058} = (1, 14, 10, 1)
P_{2924} = (1, 9, 11, 10)
                               P_{2969} = (1, 1, 7, 3)
                                                              P_{3014} = (1, 13, 2, 15)
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                               P_{2970} = (1, 12, 15, 13)
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P_{2926} = (1, 6, 12, 9)
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                               P_{2972} = (1, 6, 11, 10)
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                               P_{2973} = (1, 9, 13, 2)
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P_{2929} = (0, 1, 3, 4)
                               P_{2974} = (1, 7, 12, 9)
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                                                                                              P_{3064} = (1, 2, 8, 14)
P_{2930} = (1, 6, 10, 1)
                               P_{2975} = (1, 10, 4, 7)
                                                              P_{3020} = (1, 1, 11, 10)
                                                                                              P_{3065} = (1, 11, 7, 3)
P_{2931} = (1, 3, 5, 12)
                               P_{2976} = (1, 3, 9, 5)
                                                              P_{3021} = (1, 15, 13, 2)
                                                                                              P_{3066} = (1, 9, 15, 13)
P_{2932} = (1, 2, 6, 8)
                               P_{2977} = (0, 1, 15, 13)
                                                              P_{3022} = (1, 5, 12, 9)
                                                                                              P_{3067} = (1, 6, 1, 11)
P_{2933} = (1, 13, 14, 6)
                               P_{2978} = (1, 9, 10, 1)
                                                              P_{3023} = (1, 3, 4, 7)
                                                                                              P_{3068} = (1, 8, 11, 10)
P_{2934} = (1, 9, 2, 15)
                               P_{2979} = (1, 8, 5, 12)
                                                              P_{3024} = (1, 12, 9, 5)
                                                                                              P_{3069} = (1, 5, 13, 2)
                               P_{2980} = (1, 7, 6, 8)
P_{2935} = (1, 1, 3, 4)
                                                              P_{3025} = (0, 1, 13, 2)
                                                                                              P_{3070} = (1, 3, 12, 9)
P_{2936} = (1, 15, 8, 14)
                               P_{2981} = (1, 4, 14, 6)
                                                              P_{3026} = (1, 12, 10, 1)
                                                                                              P_{3071} = (1, 1, 4, 7)
P_{2937} = (1, 10, 7, 3)
                               P_{2982} = (1, 10, 2, 15)
                                                              P_{3027} = (1, 6, 5, 12)
                                                                                              P_{3072} = (1, 4, 9, 5)
                                                              P_{3028} = (1, 4, 6, 8)
P_{2938} = (1, 5, 15, 13)
                               P_{2983} = (1, 15, 3, 4)
                                                                                              P_{3073} = (0, 1, 9, 5)
                               P_{2984} = (1, 3, 8, 14)
                                                              P_{3029} = (1, 3, 14, 6)
                                                                                              P_{3074} = (1, 15, 10, 1)
P_{2939} = (1, 8, 1, 11)
P_{2940} = (1, 14, 11, 10)
                               P_{2985} = (1, 2, 7, 3)
                                                              P_{3030} = (1, 11, 2, 15)
                                                                                              P_{3075} = (1, 11, 5, 12)
P_{2941} = (1, 12, 13, 2)
                               P_{2986} = (1, 1, 15, 13)
                                                              P_{3031} = (1, 2, 3, 4)
                                                                                              P_{3076} = (1, 5, 6, 8)
P_{2942} = (1, 4, 12, 9)
                               P_{2987} = (1, 5, 1, 11)
                                                              P_{3032} = (1, 7, 8, 14)
                                                                                              P_{3077} = (1, 9, 14, 6)
P_{2943} = (1, 11, 4, 7)
                               P_{2988} = (1, 12, 11, 10)
                                                              P_{3033} = (1, 13, 7, 3)
                                                                                              P_{3078} = (1, 3, 2, 15)
P_{2944} = (1, 7, 9, 5)
                               P_{2989} = (1, 11, 13, 2)
                                                              P_{3034} = (1, 10, 15, 13)
                                                                                              P_{3079} = (1, 14, 3, 4)
P_{2945} = (0, 1, 8, 14)
                               P_{2990} = (1, 14, 12, 9)
                                                              P_{3035} = (1, 9, 1, 11)
                                                                                              P_{3080} = (1, 12, 8, 14)
P_{2946} = (1, 7, 10, 1)
                               P_{2991} = (1, 13, 4, 7)
                                                              P_{3036} = (1, 5, 11, 10)
                                                                                              P_{3081} = (1, 8, 7, 3)
P_{2947} = (1, 15, 5, 12)
                                                              P_{3037} = (1, 1, 13, 2)
                                                                                              P_{3082} = (1, 4, 15, 13)
                               P_{2992} = (1, 6, 9, 5)
                                                                                              P_{3083} = (1, 13, 1, 11)
P_{2948} = (1, 10, 6, 8)
                               P_{2993} = (0, 1, 1, 11)
                                                              P_{3038} = (1, 8, 12, 9)
```

```
P_{3084} = (1, 2, 11, 10)
                               P_{3129} = (1, 6, 4, 3)
                                                              P_{3174} = (1, 1, 13, 15)
                                                                                              P_{3219} = (1, 4, 9, 12)
P_{3085} = (1, 7, 13, 2)
                                                                                              P_{3220} = (1, 15, 14, 8)
                               P_{3130} = (1, 3, 2, 13)
                                                              P_{3175} = (1, 13, 7, 4)
P_{3086} = (1, 10, 12, 9)
                               P_{3131} = (1, 15, 10, 11)
                                                              P_{3176} = (1, 4, 6, 14)
                                                                                              P_{3221} = (1, 2, 8, 6)
                               P_{3132} = (1, 13, 1, 10)
                                                              P_{3177} = (1, 15, 4, 3)
                                                                                              P_{3222} = (1, 5, 13, 15)
P_{3087} = (1, 6, 4, 7)
P_{3088} = (1, 1, 9, 5)
                               P_{3133} = (1, 4, 15, 2)
                                                              P_{3178} = (1, 11, 2, 13)
                                                                                              P_{3223} = (1, 11, 7, 4)
                                                              P_{3179} = (1, 12, 10, 11)
P_{3089} = (0, 0, 1, 10)
                               P_{3134} = (1, 11, 5, 9)
                                                                                              P_{3224} = (1, 13, 6, 14)
P_{3090} = (1, 0, 11, 1)
                               P_{3135} = (1, 14, 3, 7)
                                                              P_{3180} = (1, 9, 1, 10)
                                                                                              P_{3225} = (1, 1, 4, 3)
P_{3091} = (1, 0, 9, 12)
                               P_{3136} = (1, 10, 12, 5)
                                                              P_{3181} = (1, 10, 15, 2)
                                                                                              P_{3226} = (1, 12, 2, 13)
                               P_{3137} = (0, 1, 14, 8)
P_{3092} = (1, 0, 14, 8)
                                                              P_{3182} = (1, 6, 5, 9)
                                                                                              P_{3227} = (1, 14, 10, 11)
                                                              P_{3183} = (1, 2, 3, 7)
P_{3093} = (1, 0, 8, 6)
                               P_{3138} = (1, 3, 11, 1)
                                                                                              P_{3228} = (1, 6, 1, 10)
P_{3094} = (1, 0, 13, 15)
                               P_{3139} = (1, 13, 9, 12)
                                                              P_{3184} = (1, 8, 12, 5)
                                                                                              P_{3229} = (1, 9, 15, 2)
                                                              P_{3185} = (0, 1, 7, 4)
P_{3095} = (1, 0, 7, 4)
                               P_{3140} = (1, 1, 14, 8)
                                                                                              P_{3230} = (1, 7, 5, 9)
P_{3096} = (1, 0, 6, 14)
                               P_{3141} = (1, 10, 8, 6)
                                                              P_{3186} = (1, 6, 11, 1)
                                                                                              P_{3231} = (1, 10, 3, 7)
P_{3097} = (1, 0, 4, 3)
                               P_{3142} = (1, 8, 13, 15)
                                                              P_{3187} = (1, 3, 9, 12)
                                                                                              P_{3232} = (1, 3, 12, 5)
P_{3098} = (1, 0, 2, 13)
                               P_{3143} = (1, 12, 7, 4)
                                                              P_{3188} = (1, 2, 14, 8)
                                                                                              P_{3233} = (0, 1, 2, 13)
P_{3099} = (1, 0, 10, 11)
                               P_{3144} = (1, 11, 6, 14)
                                                              P_{3189} = (1, 13, 8, 6)
                                                                                              P_{3234} = (1, 9, 11, 1)
P_{3100} = (1, 0, 1, 10)
                               P_{3145} = (1, 5, 4, 3)
                                                              P_{3190} = (1, 9, 13, 15)
                                                                                              P_{3235} = (1, 8, 9, 12)
P_{3101} = (1, 0, 15, 2)
                               P_{3146} = (1, 14, 2, 13)
                                                              P_{3191} = (1, 1, 7, 4)
                                                                                              P_{3236} = (1, 7, 14, 8)
                               P_{3147} = (1, 4, 10, 11)
P_{3102} = (1, 0, 5, 9)
                                                              P_{3192} = (1, 15, 6, 14)
                                                                                              P_{3237} = (1, 4, 8, 6)
                                                                                              P_{3238} = (1, 10, 13, 15)
                               P_{3148} = (1, 7, 1, 10)
                                                              P_{3193} = (1, 10, 4, 3)
P_{3103} = (1, 0, 3, 7)
                               P_{3149} = (1, 6, 15, 2)
                                                              P_{3194} = (1, 5, 2, 13)
                                                                                              P_{3239} = (1, 15, 7, 4)
P_{3104} = (1, 0, 12, 5)
P_{3105} = (0, 1, 11, 1)
                               P_{3150} = (1, 2, 5, 9)
                                                              P_{3195} = (1, 8, 10, 11)
                                                                                              P_{3240} = (1, 3, 6, 14)
                               P_{3151} = (1, 9, 3, 7)
                                                              P_{3196} = (1, 14, 1, 10)
                                                                                              P_{3241} = (1, 2, 4, 3)
P_{3106} = (1, 1, 11, 1)
P_{3107} = (1, 12, 9, 12)
                               P_{3152} = (1, 15, 12, 5)
                                                              P_{3197} = (1, 12, 15, 2)
                                                                                              P_{3242} = (1, 1, 2, 13)
                                                              P_{3198} = (1, 4, 5, 9)
P_{3108} = (1, 8, 14, 8)
                               P_{3153} = (0, 1, 8, 6)
                                                                                              P_{3243} = (1, 5, 10, 11)
P_{3109} = (1, 6, 8, 6)
                               P_{3154} = (1, 4, 11, 1)
                                                              P_{3199} = (1, 11, 3, 7)
                                                                                              P_{3244} = (1, 12, 1, 10)
                               P_{3155} = (1, 2, 9, 12)
P_{3110} = (1, 15, 13, 15)
                                                              P_{3200} = (1, 7, 12, 5)
                                                                                              P_{3245} = (1, 11, 15, 2)
                               P_{3156} = (1, 11, 14, 8)
P_{3111} = (1, 4, 7, 4)
                                                              P_{3201} = (0, 1, 6, 14)
                                                                                              P_{3246} = (1, 14, 5, 9)
                                                              P_{3202} = (1, 7, 11, 1)
                                                                                              P_{3247} = (1, 13, 3, 7)
P_{3112} = (1, 14, 6, 14)
                               P_{3157} = (1, 1, 8, 6)
                               P_{3158} = (1, 14, 13, 15)
                                                              P_{3203} = (1, 15, 9, 12)
P_{3113} = (1, 3, 4, 3)
                                                                                              P_{3248} = (1, 6, 12, 5)
P_{3114} = (1, 13, 2, 13)
                               P_{3159} = (1, 9, 7, 4)
                                                              P_{3204} = (1, 10, 14, 8)
                                                                                              P_{3249} = (0, 1, 10, 11)
                                                              P_{3205} = (1, 11, 8, 6)
P_{3115} = (1, 11, 10, 11)
                               P_{3160} = (1, 10, 6, 14)
                                                                                              P_{3250} = (1, 10, 11, 1)
P_{3116} = (1, 10, 1, 10)
                               P_{3161} = (1, 12, 4, 3)
                                                              P_{3206} = (1, 6, 13, 15)
                                                                                              P_{3251} = (1, 5, 9, 12)
P_{3117} = (1, 2, 15, 2)
                               P_{3162} = (1, 6, 2, 13)
                                                              P_{3207} = (1, 5, 7, 4)
                                                                                              P_{3252} = (1, 6, 14, 8)
P_{3118} = (1, 9, 5, 9)
                               P_{3163} = (1, 7, 10, 11)
                                                              P_{3208} = (1, 1, 6, 14)
                                                                                              P_{3253} = (1, 14, 8, 6)
P_{3119} = (1, 7, 3, 7)
                               P_{3164} = (1, 3, 1, 10)
                                                              P_{3209} = (1, 9, 4, 3)
                                                                                              P_{3254} = (1, 2, 13, 15)
P_{3120} = (1, 5, 12, 5)
                               P_{3165} = (1, 8, 15, 2)
                                                              P_{3210} = (1, 8, 2, 13)
                                                                                              P_{3255} = (1, 3, 7, 4)
P_{3121} = (0, 1, 9, 12)
                               P_{3166} = (1, 15, 5, 9)
                                                              P_{3211} = (1, 3, 10, 11)
                                                                                              P_{3256} = (1, 8, 6, 14)
                                                                                              P_{3257} = (1, 7, 4, 3)
P_{3122} = (1, 2, 11, 1)
                               P_{3167} = (1, 5, 3, 7)
                                                              P_{3212} = (1, 4, 1, 10)
P_{3123} = (1, 1, 9, 12)
                               P_{3168} = (1, 13, 12, 5)
                                                              P_{3213} = (1, 14, 15, 2)
                                                                                              P_{3258} = (1, 15, 2, 13)
P_{3124} = (1, 9, 14, 8)
                               P_{3169} = (0, 1, 13, 15)
                                                              P_{3214} = (1, 13, 5, 9)
                                                                                              P_{3259} = (1, 1, 10, 11)
P_{3125} = (1, 12, 8, 6)
                               P_{3170} = (1, 5, 11, 1)
                                                              P_{3215} = (1, 12, 3, 7)
                                                                                              P_{3260} = (1, 11, 1, 10)
P_{3126} = (1, 7, 13, 15)
                               P_{3171} = (1, 14, 9, 12)
                                                              P_{3216} = (1, 2, 12, 5)
                                                                                              P_{3261} = (1, 13, 15, 2)
                                                              P_{3217} = (0, 1, 4, 3)
P_{3127} = (1, 8, 7, 4)
                               P_{3172} = (1, 3, 14, 8)
                                                                                              P_{3262} = (1, 12, 5, 9)
P_{3128} = (1, 5, 6, 14)
                               P_{3173} = (1, 7, 8, 6)
                                                              P_{3218} = (1, 8, 11, 1)
                                                                                              P_{3263} = (1, 4, 3, 7)
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P_{3354} = (1, 0, 10, 13)
P_{3264} = (1, 9, 12, 5)
                               P_{3309} = (1, 3, 15, 2)
                                                                                              P_{3399} = (1, 12, 2, 4)
                               P_{3310} = (1, 1, 5, 9)
                                                              P_{3355} = (1, 0, 9, 11)
                                                                                              P_{3400} = (1, 11, 7, 14)
P_{3265} = (0, 1, 1, 10)
P_{3266} = (1, 11, 11, 1)
                               P_{3311} = (1, 8, 3, 7)
                                                              P_{3356} = (1, 0, 5, 10)
                                                                                              P_{3401} = (1, 5, 13, 3)
P_{3267} = (1, 9, 9, 12)
                               P_{3312} = (1, 11, 12, 5)
                                                              P_{3357} = (1, 0, 1, 2)
                                                                                              P_{3402} = (1, 14, 10, 13)
P_{3268} = (1, 14, 14, 8)
                               P_{3313} = (0, 1, 3, 7)
                                                              P_{3358} = (1, 0, 8, 9)
                                                                                              P_{3403} = (1, 4, 9, 11)
                                                              P_{3359} = (1, 0, 15, 7)
P_{3269} = (1, 8, 8, 6)
                               P_{3314} = (1, 14, 11, 1)
                                                                                              P_{3404} = (1, 7, 5, 10)
P_{3270} = (1, 13, 13, 15)
                               P_{3315} = (1, 7, 9, 12)
                                                              P_{3360} = (1, 0, 14, 5)
                                                                                              P_{3405} = (1, 6, 1, 2)
                                                                                              P_{3406} = (1, 2, 8, 9)
P_{3271} = (1, 7, 7, 4)
                               P_{3316} = (1, 13, 14, 8)
                                                              P_{3361} = (0, 1, 12, 1)
                               P_{3317} = (1, 15, 8, 6)
P_{3272} = (1, 6, 6, 14)
                                                              P_{3362} = (1, 1, 12, 1)
                                                                                              P_{3407} = (1, 9, 15, 7)
P_{3273} = (1, 4, 4, 3)
                               P_{3318} = (1, 12, 13, 15)
                                                              P_{3363} = (1, 12, 6, 12)
                                                                                              P_{3408} = (1, 15, 14, 5)
P_{3274} = (1, 2, 2, 13)
                               P_{3319} = (1, 10, 7, 4)
                                                              P_{3364} = (1, 8, 4, 8)
                                                                                              P_{3409} = (0, 1, 3, 6)
P_{3275} = (1, 10, 10, 11)
                               P_{3320} = (1, 2, 6, 14)
                                                              P_{3365} = (1, 6, 3, 6)
                                                                                              P_{3410} = (1, 4, 12, 1)
P_{3276} = (1, 1, 1, 10)
                               P_{3321} = (1, 11, 4, 3)
                                                              P_{3366} = (1, 15, 11, 15)
                                                                                              P_{3411} = (1, 2, 6, 12)
P_{3277} = (1, 15, 15, 2)
                               P_{3322} = (1, 9, 2, 13)
                                                              P_{3367} = (1, 4, 2, 4)
                                                                                              P_{3412} = (1, 11, 4, 8)
P_{3278} = (1, 5, 5, 9)
                               P_{3323} = (1, 6, 10, 11)
                                                              P_{3368} = (1, 14, 7, 14)
                                                                                              P_{3413} = (1, 1, 3, 6)
P_{3279} = (1, 3, 3, 7)
                               P_{3324} = (1, 8, 1, 10)
                                                              P_{3369} = (1, 3, 13, 3)
                                                                                              P_{3414} = (1, 14, 11, 15)
                               P_{3325} = (1, 5, 15, 2)
P_{3280} = (1, 12, 12, 5)
                                                              P_{3370} = (1, 13, 10, 13)
                                                                                              P_{3415} = (1, 9, 2, 4)
                                                              P_{3371} = (1, 11, 9, 11)
                                                                                              P_{3416} = (1, 10, 7, 14)
P_{3281} = (0, 1, 15, 2)
                               P_{3326} = (1, 3, 5, 9)
                               P_{3327} = (1, 1, 3, 7)
                                                                                              P_{3417} = (1, 12, 13, 3)
P_{3282} = (1, 12, 11, 1)
                                                              P_{3372} = (1, 10, 5, 10)
                                                                                              P_{3418} = (1, 6, 10, 13)
                               P_{3328} = (1, 4, 12, 5)
                                                              P_{3373} = (1, 2, 1, 2)
P_{3283} = (1, 6, 9, 12)
P_{3284} = (1, 4, 14, 8)
                               P_{3329} = (0, 1, 12, 5)
                                                              P_{3374} = (1, 9, 8, 9)
                                                                                              P_{3419} = (1, 7, 9, 11)
P_{3285} = (1, 3, 8, 6)
                               P_{3330} = (1, 15, 11, 1)
                                                              P_{3375} = (1, 7, 15, 7)
                                                                                              P_{3420} = (1, 3, 5, 10)
P_{3286} = (1, 11, 13, 15)
                               P_{3331} = (1, 11, 9, 12)
                                                              P_{3376} = (1, 5, 14, 5)
                                                                                              P_{3421} = (1, 8, 1, 2)
P_{3287} = (1, 2, 7, 4)
                               P_{3332} = (1, 5, 14, 8)
                                                              P_{3377} = (0, 1, 6, 12)
                                                                                              P_{3422} = (1, 15, 8, 9)
                                                              P_{3378} = (1, 2, 12, 1)
P_{3288} = (1, 7, 6, 14)
                               P_{3333} = (1, 9, 8, 6)
                                                                                              P_{3423} = (1, 5, 15, 7)
P_{3289} = (1, 13, 4, 3)
                               P_{3334} = (1, 3, 13, 15)
                                                              P_{3379} = (1, 1, 6, 12)
                                                                                              P_{3424} = (1, 13, 14, 5)
P_{3290} = (1, 10, 2, 13)
                                                              P_{3380} = (1, 9, 4, 8)
                                                                                              P_{3425} = (0, 1, 11, 15)
                               P_{3335} = (1, 14, 7, 4)
P_{3291} = (1, 9, 10, 11)
                               P_{3336} = (1, 12, 6, 14)
                                                              P_{3381} = (1, 12, 3, 6)
                                                                                              P_{3426} = (1, 5, 12, 1)
                               P_{3337} = (1, 8, 4, 3)
                                                              P_{3382} = (1, 7, 11, 15)
                                                                                              P_{3427} = (1, 14, 6, 12)
P_{3292} = (1, 5, 1, 10)
                                                              P_{3383} = (1, 8, 2, 4)
                                                                                              P_{3428} = (1, 3, 4, 8)
P_{3293} = (1, 1, 15, 2)
                               P_{3338} = (1, 4, 2, 13)
P_{3294} = (1, 8, 5, 9)
                               P_{3339} = (1, 13, 10, 11)
                                                              P_{3384} = (1, 5, 7, 14)
                                                                                              P_{3429} = (1, 7, 3, 6)
P_{3295} = (1, 15, 3, 7)
                               P_{3340} = (1, 2, 1, 10)
                                                              P_{3385} = (1, 6, 13, 3)
                                                                                              P_{3430} = (1, 1, 11, 15)
P_{3296} = (1, 14, 12, 5)
                               P_{3341} = (1, 7, 15, 2)
                                                              P_{3386} = (1, 3, 10, 13)
                                                                                              P_{3431} = (1, 13, 2, 4)
P_{3297} = (0, 1, 5, 9)
                               P_{3342} = (1, 10, 5, 9)
                                                              P_{3387} = (1, 15, 9, 11)
                                                                                              P_{3432} = (1, 4, 7, 14)
P_{3298} = (1, 13, 11, 1)
                               P_{3343} = (1, 6, 3, 7)
                                                              P_{3388} = (1, 13, 5, 10)
                                                                                              P_{3433} = (1, 15, 13, 3)
                                                              P_{3389} = (1, 4, 1, 2)
P_{3299} = (1, 10, 9, 12)
                               P_{3344} = (1, 1, 12, 5)
                                                                                              P_{3434} = (1, 11, 10, 13)
P_{3300} = (1, 12, 14, 8)
                               P_{3345} = (0, 0, 1, 2)
                                                                                              P_{3435} = (1, 12, 9, 11)
                                                              P_{3390} = (1, 11, 8, 9)
P_{3301} = (1, 5, 8, 6)
                               P_{3346} = (1, 0, 12, 1)
                                                              P_{3391} = (1, 14, 15, 7)
                                                                                              P_{3436} = (1, 9, 5, 10)
P_{3302} = (1, 4, 13, 15)
                               P_{3347} = (1, 0, 6, 12)
                                                              P_{3392} = (1, 10, 14, 5)
                                                                                              P_{3437} = (1, 10, 1, 2)
                               P_{3348} = (1, 0, 4, 8)
                                                              P_{3393} = (0, 1, 4, 8)
                                                                                              P_{3438} = (1, 6, 8, 9)
P_{3303} = (1, 6, 7, 4)
P_{3304} = (1, 9, 6, 14)
                               P_{3349} = (1, 0, 3, 6)
                                                              P_{3394} = (1, 3, 12, 1)
                                                                                              P_{3439} = (1, 2, 15, 7)
P_{3305} = (1, 14, 4, 3)
                               P_{3350} = (1, 0, 11, 15)
                                                              P_{3395} = (1, 13, 6, 12)
                                                                                              P_{3440} = (1, 8, 14, 5)
P_{3306} = (1, 7, 2, 13)
                               P_{3351} = (1, 0, 2, 4)
                                                              P_{3396} = (1, 1, 4, 8)
                                                                                              P_{3441} = (0, 1, 2, 4)
P_{3307} = (1, 2, 10, 11)
                                                              P_{3397} = (1, 10, 3, 6)
                                                                                              P_{3442} = (1, 6, 12, 1)
                               P_{3352} = (1, 0, 7, 14)
P_{3308} = (1, 15, 1, 10)
                               P_{3353} = (1, 0, 13, 3)
                                                              P_{3398} = (1, 8, 11, 15)
                                                                                              P_{3443} = (1, 3, 6, 12)
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```
P_{3579} = (1, 6, 9, 11)
P_{3444} = (1, 2, 4, 8)
                               P_{3489} = (0, 1, 10, 13)
                                                              P_{3534} = (1, 5, 8, 9)
P_{3445} = (1, 13, 3, 6)
                               P_{3490} = (1, 9, 12, 1)
                                                              P_{3535} = (1, 3, 15, 7)
                                                                                              P_{3580} = (1, 8, 5, 10)
P_{3446} = (1, 9, 11, 15)
                               P_{3491} = (1, 8, 6, 12)
                                                              P_{3536} = (1, 12, 14, 5)
                                                                                              P_{3581} = (1, 5, 1, 2)
P_{3447} = (1, 1, 2, 4)
                               P_{3492} = (1, 7, 4, 8)
                                                              P_{3537} = (0, 1, 1, 2)
                                                                                              P_{3582} = (1, 3, 8, 9)
P_{3448} = (1, 15, 7, 14)
                               P_{3493} = (1, 4, 3, 6)
                                                              P_{3538} = (1, 12, 12, 1)
                                                                                              P_{3583} = (1, 1, 15, 7)
                                                              P_{3539} = (1, 6, 6, 12)
                                                                                              P_{3584} = (1, 4, 14, 5)
P_{3449} = (1, 10, 13, 3)
                               P_{3494} = (1, 10, 11, 15)
P_{3450} = (1, 5, 10, 13)
                               P_{3495} = (1, 15, 2, 4)
                                                              P_{3540} = (1, 4, 4, 8)
                                                                                              P_{3585} = (0, 1, 14, 5)
P_{3451} = (1, 8, 9, 11)
                               P_{3496} = (1, 3, 7, 14)
                                                              P_{3541} = (1, 3, 3, 6)
                                                                                              P_{3586} = (1, 15, 12, 1)
                               P_{3497} = (1, 2, 13, 3)
P_{3452} = (1, 14, 5, 10)
                                                              P_{3542} = (1, 11, 11, 15)
                                                                                              P_{3587} = (1, 11, 6, 12)
                               P_{3498} = (1, 1, 10, 13)
                                                              P_{3543} = (1, 2, 2, 4)
                                                                                              P_{3588} = (1, 5, 4, 8)
P_{3453} = (1, 12, 1, 2)
P_{3454} = (1, 4, 8, 9)
                               P_{3499} = (1, 5, 9, 11)
                                                              P_{3544} = (1, 7, 7, 14)
                                                                                              P_{3589} = (1, 9, 3, 6)
P_{3455} = (1, 11, 15, 7)
                               P_{3500} = (1, 12, 5, 10)
                                                              P_{3545} = (1, 13, 13, 3)
                                                                                              P_{3590} = (1, 3, 11, 15)
P_{3456} = (1, 7, 14, 5)
                               P_{3501} = (1, 11, 1, 2)
                                                              P_{3546} = (1, 10, 10, 13)
                                                                                              P_{3591} = (1, 14, 2, 4)
P_{3457} = (0, 1, 7, 14)
                               P_{3502} = (1, 14, 8, 9)
                                                              P_{3547} = (1, 9, 9, 11)
                                                                                              P_{3592} = (1, 12, 7, 14)
P_{3458} = (1, 7, 12, 1)
                               P_{3503} = (1, 13, 15, 7)
                                                              P_{3548} = (1, 5, 5, 10)
                                                                                              P_{3593} = (1, 8, 13, 3)
P_{3459} = (1, 15, 6, 12)
                               P_{3504} = (1, 6, 14, 5)
                                                              P_{3549} = (1, 1, 1, 2)
                                                                                              P_{3594} = (1, 4, 10, 13)
                                                              P_{3550} = (1, 8, 8, 9)
                                                                                              P_{3595} = (1, 13, 9, 11)
P_{3460} = (1, 10, 4, 8)
                               P_{3505} = (0, 1, 9, 11)
P_{3461} = (1, 11, 3, 6)
                               P_{3506} = (1, 10, 12, 1)
                                                              P_{3551} = (1, 15, 15, 7)
                                                                                              P_{3596} = (1, 2, 5, 10)
                               P_{3507} = (1, 5, 6, 12)
                                                              P_{3552} = (1, 14, 14, 5)
P_{3462} = (1, 6, 11, 15)
                                                                                              P_{3597} = (1, 7, 1, 2)
                               P_{3508} = (1, 6, 4, 8)
                                                              P_{3553} = (0, 1, 8, 9)
                                                                                              P_{3598} = (1, 10, 8, 9)
P_{3463} = (1, 5, 2, 4)
P_{3464} = (1, 1, 7, 14)
                               P_{3509} = (1, 14, 3, 6)
                                                              P_{3554} = (1, 13, 12, 1)
                                                                                              P_{3599} = (1, 6, 15, 7)
P_{3465} = (1, 9, 13, 3)
                               P_{3510} = (1, 2, 11, 15)
                                                              P_{3555} = (1, 10, 6, 12)
                                                                                              P_{3600} = (1, 1, 14, 5)
P_{3466} = (1, 8, 10, 13)
                               P_{3511} = (1, 3, 2, 4)
                                                              P_{3556} = (1, 12, 4, 8)
                                                                                              P_{3601} = (0, 0, 1, 9)
P_{3467} = (1, 3, 9, 11)
                               P_{3512} = (1, 8, 7, 14)
                                                              P_{3557} = (1, 5, 3, 6)
                                                                                              P_{3602} = (1, 0, 13, 1)
P_{3468} = (1, 4, 5, 10)
                               P_{3513} = (1, 7, 13, 3)
                                                              P_{3558} = (1, 4, 11, 15)
                                                                                              P_{3603} = (1, 0, 10, 12)
P_{3469} = (1, 14, 1, 2)
                               P_{3514} = (1, 15, 10, 13)
                                                              P_{3559} = (1, 6, 2, 4)
                                                                                              P_{3604} = (1, 0, 12, 8)
                               P_{3515} = (1, 1, 9, 11)
                                                              P_{3560} = (1, 9, 7, 14)
P_{3470} = (1, 13, 8, 9)
                                                                                              P_{3605} = (1, 0, 5, 6)
P_{3471} = (1, 12, 15, 7)
                               P_{3516} = (1, 11, 5, 10)
                                                              P_{3561} = (1, 14, 13, 3)
                                                                                              P_{3606} = (1, 0, 4, 15)
P_{3472} = (1, 2, 14, 5)
                               P_{3517} = (1, 13, 1, 2)
                                                              P_{3562} = (1, 7, 10, 13)
                                                                                              P_{3607} = (1, 0, 6, 4)
P_{3473} = (0, 1, 13, 3)
                               P_{3518} = (1, 12, 8, 9)
                                                              P_{3563} = (1, 2, 9, 11)
                                                                                              P_{3608} = (1, 0, 9, 14)
P_{3474} = (1, 8, 12, 1)
                               P_{3519} = (1, 4, 15, 7)
                                                              P_{3564} = (1, 15, 5, 10)
                                                                                              P_{3609} = (1, 0, 14, 3)
P_{3475} = (1, 4, 6, 12)
                               P_{3520} = (1, 9, 14, 5)
                                                              P_{3565} = (1, 3, 1, 2)
                                                                                              P_{3610} = (1, 0, 7, 13)
                                                              P_{3566} = (1, 1, 8, 9)
P_{3476} = (1, 15, 4, 8)
                               P_{3521} = (0, 1, 5, 10)
                                                                                              P_{3611} = (1, 0, 2, 11)
P_{3477} = (1, 2, 3, 6)
                               P_{3522} = (1, 11, 12, 1)
                                                              P_{3567} = (1, 8, 15, 7)
                                                                                              P_{3612} = (1, 0, 15, 10)
                                                              P_{3568} = (1, 11, 14, 5)
P_{3478} = (1, 5, 11, 15)
                               P_{3523} = (1, 9, 6, 12)
                                                                                              P_{3613} = (1, 0, 3, 2)
                                                              P_{3569} = (0, 1, 15, 7)
P_{3479} = (1, 11, 2, 4)
                               P_{3524} = (1, 14, 4, 8)
                                                                                              P_{3614} = (1, 0, 1, 9)
P_{3480} = (1, 13, 7, 14)
                               P_{3525} = (1, 8, 3, 6)
                                                              P_{3570} = (1, 14, 12, 1)
                                                                                              P_{3615} = (1, 0, 8, 7)
P_{3481} = (1, 1, 13, 3)
                               P_{3526} = (1, 13, 11, 15)
                                                              P_{3571} = (1, 7, 6, 12)
                                                                                              P_{3616} = (1, 0, 11, 5)
P_{3482} = (1, 12, 10, 13)
                               P_{3527} = (1, 7, 2, 4)
                                                              P_{3572} = (1, 13, 4, 8)
                                                                                              P_{3617} = (0, 1, 13, 1)
P_{3483} = (1, 14, 9, 11)
                               P_{3528} = (1, 6, 7, 14)
                                                              P_{3573} = (1, 15, 3, 6)
                                                                                              P_{3618} = (1, 1, 13, 1)
P_{3484} = (1, 6, 5, 10)
                               P_{3529} = (1, 4, 13, 3)
                                                              P_{3574} = (1, 12, 11, 15)
                                                                                              P_{3619} = (1, 12, 10, 12)
P_{3485} = (1, 9, 1, 2)
                               P_{3530} = (1, 2, 10, 13)
                                                              P_{3575} = (1, 10, 2, 4)
                                                                                              P_{3620} = (1, 8, 12, 8)
P_{3486} = (1, 7, 8, 9)
                               P_{3531} = (1, 10, 9, 11)
                                                              P_{3576} = (1, 2, 7, 14)
                                                                                              P_{3621} = (1, 6, 5, 6)
P_{3487} = (1, 10, 15, 7)
                                                              P_{3577} = (1, 11, 13, 3)
                               P_{3532} = (1, 1, 5, 10)
                                                                                              P_{3622} = (1, 15, 4, 15)
                                                                                              P_{3623} = (1, 4, 6, 4)
P_{3488} = (1, 3, 14, 5)
                               P_{3533} = (1, 15, 1, 2)
                                                              P_{3578} = (1, 9, 10, 13)
```

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P_{3669} = (1, 1, 5, 6)
P_{3624} = (1, 14, 9, 14)
                                                              P_{3714} = (1, 7, 13, 1)
                                                                                              P_{3759} = (1, 13, 8, 7)
P_{3625} = (1, 3, 14, 3)
                               P_{3670} = (1, 14, 4, 15)
                                                              P_{3715} = (1, 15, 10, 12)
                                                                                              P_{3760} = (1, 6, 11, 5)
P_{3626} = (1, 13, 7, 13)
                               P_{3671} = (1, 9, 6, 4)
                                                              P_{3716} = (1, 10, 12, 8)
                                                                                              P_{3761} = (0, 1, 2, 11)
P_{3627} = (1, 11, 2, 11)
                               P_{3672} = (1, 10, 9, 14)
                                                              P_{3717} = (1, 11, 5, 6)
                                                                                              P_{3762} = (1, 10, 13, 1)
P_{3628} = (1, 10, 15, 10)
                               P_{3673} = (1, 12, 14, 3)
                                                              P_{3718} = (1, 6, 4, 15)
                                                                                              P_{3763} = (1, 5, 10, 12)
                                                                                              P_{3764} = (1, 6, 12, 8)
                                                              P_{3719} = (1, 5, 6, 4)
P_{3629} = (1, 2, 3, 2)
                               P_{3674} = (1, 6, 7, 13)
P_{3630} = (1, 9, 1, 9)
                               P_{3675} = (1, 7, 2, 11)
                                                              P_{3720} = (1, 1, 9, 14)
                                                                                              P_{3765} = (1, 14, 5, 6)
                                                              P_{3721} = (1, 9, 14, 3)
P_{3631} = (1, 7, 8, 7)
                               P_{3676} = (1, 3, 15, 10)
                                                                                              P_{3766} = (1, 2, 4, 15)
                               P_{3677} = (1, 8, 3, 2)
                                                              P_{3722} = (1, 8, 7, 13)
                                                                                              P_{3767} = (1, 3, 6, 4)
P_{3632} = (1, 5, 11, 5)
                               P_{3678} = (1, 15, 1, 9)
                                                              P_{3723} = (1, 3, 2, 11)
                                                                                              P_{3768} = (1, 8, 9, 14)
P_{3633} = (0, 1, 10, 12)
P_{3634} = (1, 2, 13, 1)
                               P_{3679} = (1, 5, 8, 7)
                                                              P_{3724} = (1, 4, 15, 10)
                                                                                              P_{3769} = (1, 7, 14, 3)
P_{3635} = (1, 1, 10, 12)
                               P_{3680} = (1, 13, 11, 5)
                                                              P_{3725} = (1, 14, 3, 2)
                                                                                              P_{3770} = (1, 15, 7, 13)
P_{3636} = (1, 9, 12, 8)
                               P_{3681} = (0, 1, 4, 15)
                                                              P_{3726} = (1, 13, 1, 9)
                                                                                              P_{3771} = (1, 1, 2, 11)
                                                              P_{3727} = (1, 12, 8, 7)
P_{3637} = (1, 12, 5, 6)
                               P_{3682} = (1, 5, 13, 1)
                                                                                              P_{3772} = (1, 11, 15, 10)
P_{3638} = (1, 7, 4, 15)
                               P_{3683} = (1, 14, 10, 12)
                                                              P_{3728} = (1, 2, 11, 5)
                                                                                              P_{3773} = (1, 13, 3, 2)
                                                              P_{3729} = (0, 1, 14, 3)
                                                                                              P_{3774} = (1, 12, 1, 9)
P_{3639} = (1, 8, 6, 4)
                               P_{3684} = (1, 3, 12, 8)
                                                              P_{3730} = (1, 8, 13, 1)
                                                                                              P_{3775} = (1, 4, 8, 7)
P_{3640} = (1, 5, 9, 14)
                               P_{3685} = (1, 7, 5, 6)
P_{3641} = (1, 6, 14, 3)
                               P_{3686} = (1, 1, 4, 15)
                                                              P_{3731} = (1, 4, 10, 12)
                                                                                              P_{3776} = (1, 9, 11, 5)
P_{3642} = (1, 3, 7, 13)
                               P_{3687} = (1, 13, 6, 4)
                                                              P_{3732} = (1, 15, 12, 8)
                                                                                              P_{3777} = (0, 1, 15, 10)
P_{3643} = (1, 15, 2, 11)
                               P_{3688} = (1, 4, 9, 14)
                                                              P_{3733} = (1, 2, 5, 6)
                                                                                              P_{3778} = (1, 11, 13, 1)
P_{3644} = (1, 13, 15, 10)
                               P_{3689} = (1, 15, 14, 3)
                                                              P_{3734} = (1, 5, 4, 15)
                                                                                              P_{3779} = (1, 9, 10, 12)
P_{3645} = (1, 4, 3, 2)
                               P_{3690} = (1, 11, 7, 13)
                                                              P_{3735} = (1, 11, 6, 4)
                                                                                              P_{3780} = (1, 14, 12, 8)
P_{3646} = (1, 11, 1, 9)
                               P_{3691} = (1, 12, 2, 11)
                                                              P_{3736} = (1, 13, 9, 14)
                                                                                              P_{3781} = (1, 8, 5, 6)
P_{3647} = (1, 14, 8, 7)
                               P_{3692} = (1, 9, 15, 10)
                                                              P_{3737} = (1, 1, 14, 3)
                                                                                              P_{3782} = (1, 13, 4, 15)
P_{3648} = (1, 10, 11, 5)
                               P_{3693} = (1, 10, 3, 2)
                                                              P_{3738} = (1, 12, 7, 13)
                                                                                              P_{3783} = (1, 7, 6, 4)
                                                                                              P_{3784} = (1, 6, 9, 14)
P_{3649} = (0, 1, 12, 8)
                               P_{3694} = (1, 6, 1, 9)
                                                              P_{3739} = (1, 14, 2, 11)
P_{3650} = (1, 3, 13, 1)
                               P_{3695} = (1, 2, 8, 7)
                                                              P_{3740} = (1, 6, 15, 10)
                                                                                              P_{3785} = (1, 4, 14, 3)
P_{3651} = (1, 13, 10, 12)
                               P_{3696} = (1, 8, 11, 5)
                                                              P_{3741} = (1, 9, 3, 2)
                                                                                              P_{3786} = (1, 2, 7, 13)
                               P_{3697} = (0, 1, 6, 4)
                                                              P_{3742} = (1, 7, 1, 9)
                                                                                              P_{3787} = (1, 10, 2, 11)
P_{3652} = (1, 1, 12, 8)
P_{3653} = (1, 10, 5, 6)
                               P_{3698} = (1, 6, 13, 1)
                                                              P_{3743} = (1, 10, 8, 7)
                                                                                              P_{3788} = (1, 1, 15, 10)
P_{3654} = (1, 8, 4, 15)
                               P_{3699} = (1, 3, 10, 12)
                                                              P_{3744} = (1, 3, 11, 5)
                                                                                              P_{3789} = (1, 15, 3, 2)
P_{3655} = (1, 12, 6, 4)
                               P_{3700} = (1, 2, 12, 8)
                                                              P_{3745} = (0, 1, 7, 13)
                                                                                              P_{3790} = (1, 5, 1, 9)
                                                              P_{3746} = (1, 9, 13, 1)
P_{3656} = (1, 11, 9, 14)
                               P_{3701} = (1, 13, 5, 6)
                                                                                              P_{3791} = (1, 3, 8, 7)
P_{3657} = (1, 5, 14, 3)
                               P_{3702} = (1, 9, 4, 15)
                                                              P_{3747} = (1, 8, 10, 12)
                                                                                              P_{3792} = (1, 12, 11, 5)
                                                              P_{3748} = (1, 7, 12, 8)
P_{3658} = (1, 14, 7, 13)
                               P_{3703} = (1, 1, 6, 4)
                                                                                              P_{3793} = (0, 1, 3, 2)
                               P_{3704} = (1, 15, 9, 14)
                                                              P_{3749} = (1, 4, 5, 6)
                                                                                              P_{3794} = (1, 12, 13, 1)
P_{3659} = (1, 4, 2, 11)
P_{3660} = (1, 7, 15, 10)
                               P_{3705} = (1, 10, 14, 3)
                                                              P_{3750} = (1, 10, 4, 15)
                                                                                              P_{3795} = (1, 6, 10, 12)
P_{3661} = (1, 6, 3, 2)
                               P_{3706} = (1, 5, 7, 13)
                                                              P_{3751} = (1, 15, 6, 4)
                                                                                              P_{3796} = (1, 4, 12, 8)
P_{3662} = (1, 2, 1, 9)
                               P_{3707} = (1, 8, 2, 11)
                                                              P_{3752} = (1, 3, 9, 14)
                                                                                              P_{3797} = (1, 3, 5, 6)
                                                              P_{3753} = (1, 2, 14, 3)
P_{3663} = (1, 9, 8, 7)
                               P_{3708} = (1, 14, 15, 10)
                                                                                              P_{3798} = (1, 11, 4, 15)
P_{3664} = (1, 15, 11, 5)
                               P_{3709} = (1, 12, 3, 2)
                                                              P_{3754} = (1, 1, 7, 13)
                                                                                              P_{3799} = (1, 2, 6, 4)
                                                              P_{3755} = (1, 5, 2, 11)
P_{3665} = (0, 1, 5, 6)
                               P_{3710} = (1, 4, 1, 9)
                                                                                              P_{3800} = (1, 7, 9, 14)
P_{3666} = (1, 4, 13, 1)
                               P_{3711} = (1, 11, 8, 7)
                                                              P_{3756} = (1, 12, 15, 10)
                                                                                              P_{3801} = (1, 13, 14, 3)
P_{3667} = (1, 2, 10, 12)
                                                              P_{3757} = (1, 11, 3, 2)
                                                                                              P_{3802} = (1, 10, 7, 13)
                               P_{3712} = (1, 7, 11, 5)
P_{3668} = (1, 11, 12, 8)
                               P_{3713} = (0, 1, 9, 14)
                                                              P_{3758} = (1, 14, 1, 9)
                                                                                              P_{3803} = (1, 9, 2, 11)
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P_{3804} = (1, 5, 15, 10)
                                                              P_{3894} = (1, 7, 12, 15)
                               P_{3849} = (1, 8, 14, 3)
                                                                                              P_{3939} = (1, 14, 7, 12)
P_{3805} = (1, 1, 3, 2)
                               P_{3850} = (1, 4, 7, 13)
                                                              P_{3895} = (1, 8, 10, 4)
                                                                                              P_{3940} = (1, 3, 13, 8)
P_{3806} = (1, 8, 1, 9)
                               P_{3851} = (1, 13, 2, 11)
                                                              P_{3896} = (1, 5, 2, 14)
                                                                                              P_{3941} = (1, 7, 15, 6)
P_{3807} = (1, 15, 8, 7)
                               P_{3852} = (1, 2, 15, 10)
                                                              P_{3897} = (1, 6, 11, 3)
                                                                                              P_{3942} = (1, 1, 12, 15)
P_{3808} = (1, 14, 11, 5)
                               P_{3853} = (1, 7, 3, 2)
                                                              P_{3898} = (1, 3, 9, 13)
                                                                                              P_{3943} = (1, 13, 10, 4)
                                                              P_{3899} = (1, 15, 6, 11)
P_{3809} = (0, 1, 1, 9)
                               P_{3854} = (1, 10, 1, 9)
                                                                                              P_{3944} = (1, 4, 2, 14)
P_{3810} = (1, 13, 13, 1)
                               P_{3855} = (1, 6, 8, 7)
                                                              P_{3900} = (1, 13, 8, 10)
                                                                                              P_{3945} = (1, 15, 11, 3)
P_{3811} = (1, 10, 10, 12)
                               P_{3856} = (1, 1, 11, 5)
                                                              P_{3901} = (1, 4, 5, 2)
                                                                                              P_{3946} = (1, 11, 9, 13)
P_{3812} = (1, 12, 12, 8)
                               P_{3857} = (0, 0, 1, 7)
                                                              P_{3902} = (1, 11, 3, 9)
                                                                                              P_{3947} = (1, 12, 6, 11)
                               P_{3858} = (1, 0, 14, 1)
                                                              P_{3903} = (1, 14, 1, 7)
                                                                                              P_{3948} = (1, 9, 8, 10)
P_{3813} = (1, 5, 5, 6)
P_{3814} = (1, 4, 4, 15)
                               P_{3859} = (1, 0, 7, 12)
                                                              P_{3904} = (1, 10, 4, 5)
                                                                                              P_{3949} = (1, 10, 5, 2)
P_{3815} = (1, 6, 6, 4)
                               P_{3860} = (1, 0, 13, 8)
                                                              P_{3905} = (0, 1, 13, 8)
                                                                                              P_{3950} = (1, 6, 3, 9)
P_{3816} = (1, 9, 9, 14)
                               P_{3861} = (1, 0, 15, 6)
                                                              P_{3906} = (1, 3, 14, 1)
                                                                                              P_{3951} = (1, 2, 1, 7)
P_{3817} = (1, 14, 14, 3)
                               P_{3862} = (1, 0, 12, 15)
                                                              P_{3907} = (1, 13, 7, 12)
                                                                                              P_{3952} = (1, 8, 4, 5)
P_{3818} = (1, 7, 7, 13)
                               P_{3863} = (1, 0, 10, 4)
                                                              P_{3908} = (1, 1, 13, 8)
                                                                                              P_{3953} = (0, 1, 10, 4)
P_{3819} = (1, 2, 2, 11)
                               P_{3864} = (1, 0, 2, 14)
                                                              P_{3909} = (1, 10, 15, 6)
                                                                                              P_{3954} = (1, 6, 14, 1)
P_{3820} = (1, 15, 15, 10)
                               P_{3865} = (1, 0, 11, 3)
                                                              P_{3910} = (1, 8, 12, 15)
                                                                                              P_{3955} = (1, 3, 7, 12)
                               P_{3866} = (1, 0, 9, 13)
P_{3821} = (1, 3, 3, 2)
                                                              P_{3911} = (1, 12, 10, 4)
                                                                                              P_{3956} = (1, 2, 13, 8)
P_{3822} = (1, 1, 1, 9)
                               P_{3867} = (1, 0, 6, 11)
                                                              P_{3912} = (1, 11, 2, 14)
                                                                                              P_{3957} = (1, 13, 15, 6)
P_{3823} = (1, 8, 8, 7)
                               P_{3868} = (1, 0, 8, 10)
                                                              P_{3913} = (1, 5, 11, 3)
                                                                                              P_{3958} = (1, 9, 12, 15)
P_{3824} = (1, 11, 11, 5)
                               P_{3869} = (1, 0, 5, 2)
                                                              P_{3914} = (1, 14, 9, 13)
                                                                                              P_{3959} = (1, 1, 10, 4)
                               P_{3870} = (1, 0, 3, 9)
                                                                                              P_{3960} = (1, 15, 2, 14)
P_{3825} = (0, 1, 8, 7)
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P_{3826} = (1, 14, 13, 1)
                               P_{3871} = (1, 0, 1, 7)
                                                              P_{3916} = (1, 7, 8, 10)
                                                                                              P_{3961} = (1, 10, 11, 3)
P_{3827} = (1, 7, 10, 12)
                               P_{3872} = (1, 0, 4, 5)
                                                              P_{3917} = (1, 6, 5, 2)
                                                                                              P_{3962} = (1, 5, 9, 13)
P_{3828} = (1, 13, 12, 8)
                               P_{3873} = (0, 1, 14, 1)
                                                              P_{3918} = (1, 2, 3, 9)
                                                                                              P_{3963} = (1, 8, 6, 11)
                               P_{3874} = (1, 1, 14, 1)
                                                              P_{3919} = (1, 9, 1, 7)
P_{3829} = (1, 15, 5, 6)
                                                                                              P_{3964} = (1, 14, 8, 10)
P_{3830} = (1, 12, 4, 15)
                               P_{3875} = (1, 12, 7, 12)
                                                              P_{3920} = (1, 15, 4, 5)
                                                                                              P_{3965} = (1, 12, 5, 2)
P_{3831} = (1, 10, 6, 4)
                               P_{3876} = (1, 8, 13, 8)
                                                              P_{3921} = (0, 1, 15, 6)
                                                                                              P_{3966} = (1, 4, 3, 9)
P_{3832} = (1, 2, 9, 14)
                               P_{3877} = (1, 6, 15, 6)
                                                              P_{3922} = (1, 4, 14, 1)
                                                                                              P_{3967} = (1, 11, 1, 7)
P_{3833} = (1, 11, 14, 3)
                               P_{3878} = (1, 15, 12, 15)
                                                              P_{3923} = (1, 2, 7, 12)
                                                                                              P_{3968} = (1, 7, 4, 5)
P_{3834} = (1, 9, 7, 13)
                               P_{3879} = (1, 4, 10, 4)
                                                              P_{3924} = (1, 11, 13, 8)
                                                                                              P_{3969} = (0, 1, 2, 14)
                               P_{3880} = (1, 14, 2, 14)
P_{3835} = (1, 6, 2, 11)
                                                              P_{3925} = (1, 1, 15, 6)
                                                                                              P_{3970} = (1, 7, 14, 1)
                                                              P_{3926} = (1, 14, 12, 15)
P_{3836} = (1, 8, 15, 10)
                               P_{3881} = (1, 3, 11, 3)
                                                                                              P_{3971} = (1, 15, 7, 12)
P_{3837} = (1, 5, 3, 2)
                               P_{3882} = (1, 13, 9, 13)
                                                              P_{3927} = (1, 9, 10, 4)
                                                                                              P_{3972} = (1, 10, 13, 8)
P_{3838} = (1, 3, 1, 9)
                               P_{3883} = (1, 11, 6, 11)
                                                              P_{3928} = (1, 10, 2, 14)
                                                                                              P_{3973} = (1, 11, 15, 6)
P_{3839} = (1, 1, 8, 7)
                               P_{3884} = (1, 10, 8, 10)
                                                              P_{3929} = (1, 12, 11, 3)
                                                                                              P_{3974} = (1, 6, 12, 15)
P_{3840} = (1, 4, 11, 5)
                               P_{3885} = (1, 2, 5, 2)
                                                              P_{3930} = (1, 6, 9, 13)
                                                                                              P_{3975} = (1, 5, 10, 4)
P_{3841} = (0, 1, 11, 5)
                               P_{3886} = (1, 9, 3, 9)
                                                              P_{3931} = (1, 7, 6, 11)
                                                                                              P_{3976} = (1, 1, 2, 14)
P_{3842} = (1, 15, 13, 1)
                               P_{3887} = (1, 7, 1, 7)
                                                              P_{3932} = (1, 3, 8, 10)
                                                                                              P_{3977} = (1, 9, 11, 3)
                               P_{3888} = (1, 5, 4, 5)
                                                              P_{3933} = (1, 8, 5, 2)
P_{3843} = (1, 11, 10, 12)
                                                                                              P_{3978} = (1, 8, 9, 13)
P_{3844} = (1, 5, 12, 8)
                               P_{3889} = (0, 1, 7, 12)
                                                              P_{3934} = (1, 15, 3, 9)
                                                                                              P_{3979} = (1, 3, 6, 11)
P_{3845} = (1, 9, 5, 6)
                               P_{3890} = (1, 2, 14, 1)
                                                              P_{3935} = (1, 5, 1, 7)
                                                                                              P_{3980} = (1, 4, 8, 10)
                                                              P_{3936} = (1, 13, 4, 5)
P_{3846} = (1, 3, 4, 15)
                               P_{3891} = (1, 1, 7, 12)
                                                                                              P_{3981} = (1, 14, 5, 2)
P_{3847} = (1, 14, 6, 4)
                                                              P_{3937} = (0, 1, 12, 15)
                                                                                              P_{3982} = (1, 13, 3, 9)
                               P_{3892} = (1, 9, 13, 8)
P_{3848} = (1, 12, 9, 14)
                               P_{3893} = (1, 12, 15, 6)
                                                              P_{3938} = (1, 5, 14, 1)
                                                                                              P_{3983} = (1, 12, 1, 7)
```

```
P_{4119} = (1, 0, 14, 4)
P_{3984} = (1, 2, 4, 5)
                               P_{4029} = (1, 13, 5, 2)
                                                              P_{4074} = (1, 7, 9, 13)
                                                                                              P_{4120} = (1, 0, 12, 14)
P_{3985} = (0, 1, 11, 3)
                               P_{4030} = (1, 12, 3, 9)
                                                              P_{4075} = (1, 2, 6, 11)
P_{3986} = (1, 8, 14, 1)
                               P_{4031} = (1, 4, 1, 7)
                                                              P_{4076} = (1, 15, 8, 10)
                                                                                              P_{4121} = (1, 0, 8, 3)
P_{3987} = (1, 4, 7, 12)
                               P_{4032} = (1, 9, 4, 5)
                                                              P_{4077} = (1, 3, 5, 2)
                                                                                              P_{4122} = (1, 0, 4, 13)
P_{3988} = (1, 15, 13, 8)
                               P_{4033} = (0, 1, 8, 10)
                                                              P_{4078} = (1, 1, 3, 9)
                                                                                              P_{4123} = (1, 0, 13, 11)
                                                              P_{4079} = (1, 8, 1, 7)
P_{3989} = (1, 2, 15, 6)
                               P_{4034} = (1, 11, 14, 1)
                                                                                              P_{4124} = (1, 0, 2, 10)
P_{3990} = (1, 5, 12, 15)
                               P_{4035} = (1, 9, 7, 12)
                                                              P_{4080} = (1, 11, 4, 5)
                                                                                              P_{4125} = (1, 0, 7, 2)
P_{3991} = (1, 11, 10, 4)
                               P_{4036} = (1, 14, 13, 8)
                                                              P_{4081} = (0, 1, 1, 7)
                                                                                              P_{4126} = (1, 0, 10, 9)
                               P_{4037} = (1, 8, 15, 6)
P_{3992} = (1, 13, 2, 14)
                                                              P_{4082} = (1, 14, 14, 1)
                                                                                              P_{4127} = (1, 0, 6, 7)
                                                              P_{4083} = (1, 7, 7, 12)
                                                                                              P_{4128} = (1, 0, 1, 5)
P_{3993} = (1, 1, 11, 3)
                               P_{4038} = (1, 13, 12, 15)
P_{3994} = (1, 12, 9, 13)
                               P_{4039} = (1, 7, 10, 4)
                                                              P_{4084} = (1, 13, 13, 8)
                                                                                              P_{4129} = (0, 1, 15, 1)
                               P_{4040} = (1, 6, 2, 14)
P_{3995} = (1, 14, 6, 11)
                                                              P_{4085} = (1, 15, 15, 6)
                                                                                              P_{4130} = (1, 1, 15, 1)
P_{3996} = (1, 6, 8, 10)
                               P_{4041} = (1, 4, 11, 3)
                                                              P_{4086} = (1, 12, 12, 15)
                                                                                              P_{4131} = (1, 12, 11, 12)
                                                                                              P_{4132} = (1, 8, 5, 8)
P_{3997} = (1, 9, 5, 2)
                               P_{4042} = (1, 2, 9, 13)
                                                              P_{4087} = (1, 10, 10, 4)
P_{3998} = (1, 7, 3, 9)
                               P_{4043} = (1, 10, 6, 11)
                                                              P_{4088} = (1, 2, 2, 14)
                                                                                              P_{4133} = (1, 6, 9, 6)
P_{3999} = (1, 10, 1, 7)
                               P_{4044} = (1, 1, 8, 10)
                                                              P_{4089} = (1, 11, 11, 3)
                                                                                              P_{4134} = (1, 15, 3, 15)
P_{4000} = (1, 3, 4, 5)
                               P_{4045} = (1, 15, 5, 2)
                                                              P_{4090} = (1, 9, 9, 13)
                                                                                              P_{4135} = (1, 4, 14, 4)
P_{4001} = (0, 1, 9, 13)
                               P_{4046} = (1, 5, 3, 9)
                                                              P_{4091} = (1, 6, 6, 11)
                                                                                              P_{4136} = (1, 14, 12, 14)
                               P_{4047} = (1, 3, 1, 7)
P_{4002} = (1, 9, 14, 1)
                                                              P_{4092} = (1, 8, 8, 10)
                                                                                              P_{4137} = (1, 3, 8, 3)
                                                              P_{4093} = (1, 5, 5, 2)
                               P_{4048} = (1, 12, 4, 5)
P_{4003} = (1, 8, 7, 12)
                                                                                              P_{4138} = (1, 13, 4, 13)
P_{4004} = (1, 7, 13, 8)
                               P_{4049} = (0, 1, 5, 2)
                                                              P_{4094} = (1, 3, 3, 9)
                                                                                              P_{4139} = (1, 11, 13, 11)
                               P_{4050} = (1, 12, 14, 1)
                                                              P_{4095} = (1, 1, 1, 7)
P_{4005} = (1, 4, 15, 6)
                                                                                              P_{4140} = (1, 10, 2, 10)
P_{4006} = (1, 10, 12, 15)
                               P_{4051} = (1, 6, 7, 12)
                                                              P_{4096} = (1, 4, 4, 5)
                                                                                              P_{4141} = (1, 2, 7, 2)
P_{4007} = (1, 15, 10, 4)
                               P_{4052} = (1, 4, 13, 8)
                                                              P_{4097} = (0, 1, 4, 5)
                                                                                              P_{4142} = (1, 9, 10, 9)
                                                              P_{4098} = (1, 15, 14, 1)
P_{4008} = (1, 3, 2, 14)
                               P_{4053} = (1, 3, 15, 6)
                                                                                              P_{4143} = (1, 7, 6, 7)
P_{4009} = (1, 2, 11, 3)
                               P_{4054} = (1, 11, 12, 15)
                                                              P_{4099} = (1, 11, 7, 12)
                                                                                              P_{4144} = (1, 5, 1, 5)
                                                                                              P_{4145} = (0, 1, 11, 12)
P_{4010} = (1, 1, 9, 13)
                               P_{4055} = (1, 2, 10, 4)
                                                              P_{4100} = (1, 5, 13, 8)
                               P_{4056} = (1, 7, 2, 14)
                                                              P_{4101} = (1, 9, 15, 6)
                                                                                              P_{4146} = (1, 2, 15, 1)
P_{4011} = (1, 5, 6, 11)
                               P_{4057} = (1, 13, 11, 3)
                                                              P_{4102} = (1, 3, 12, 15)
                                                                                              P_{4147} = (1, 1, 11, 12)
P_{4012} = (1, 12, 8, 10)
                                                                                              P_{4148} = (1, 9, 5, 8)
P_{4013} = (1, 11, 5, 2)
                               P_{4058} = (1, 10, 9, 13)
                                                              P_{4103} = (1, 14, 10, 4)
                               P_{4059} = (1, 9, 6, 11)
                                                              P_{4104} = (1, 12, 2, 14)
                                                                                              P_{4149} = (1, 12, 9, 6)
P_{4014} = (1, 14, 3, 9)
P_{4015} = (1, 13, 1, 7)
                               P_{4060} = (1, 5, 8, 10)
                                                              P_{4105} = (1, 8, 11, 3)
                                                                                              P_{4150} = (1, 7, 3, 15)
P_{4016} = (1, 6, 4, 5)
                               P_{4061} = (1, 1, 5, 2)
                                                              P_{4106} = (1, 4, 9, 13)
                                                                                              P_{4151} = (1, 8, 14, 4)
P_{4017} = (0, 1, 6, 11)
                               P_{4062} = (1, 8, 3, 9)
                                                              P_{4107} = (1, 13, 6, 11)
                                                                                              P_{4152} = (1, 5, 12, 14)
P_{4018} = (1, 10, 14, 1)
                               P_{4063} = (1, 15, 1, 7)
                                                              P_{4108} = (1, 2, 8, 10)
                                                                                              P_{4153} = (1, 6, 8, 3)
                               P_{4064} = (1, 14, 4, 5)
                                                              P_{4109} = (1, 7, 5, 2)
P_{4019} = (1, 5, 7, 12)
                                                                                              P_{4154} = (1, 3, 4, 13)
                               P_{4065} = (0, 1, 3, 9)
P_{4020} = (1, 6, 13, 8)
                                                              P_{4110} = (1, 10, 3, 9)
                                                                                              P_{4155} = (1, 15, 13, 11)
P_{4021} = (1, 14, 15, 6)
                               P_{4066} = (1, 13, 14, 1)
                                                              P_{4111} = (1, 6, 1, 7)
                                                                                              P_{4156} = (1, 13, 2, 10)
P_{4022} = (1, 2, 12, 15)
                               P_{4067} = (1, 10, 7, 12)
                                                              P_{4112} = (1, 1, 4, 5)
                                                                                              P_{4157} = (1, 4, 7, 2)
P_{4023} = (1, 3, 10, 4)
                               P_{4068} = (1, 12, 13, 8)
                                                              P_{4113} = (0, 0, 1, 5)
                                                                                              P_{4158} = (1, 11, 10, 9)
P_{4024} = (1, 8, 2, 14)
                               P_{4069} = (1, 5, 15, 6)
                                                              P_{4114} = (1, 0, 15, 1)
                                                                                              P_{4159} = (1, 14, 6, 7)
P_{4025} = (1, 7, 11, 3)
                               P_{4070} = (1, 4, 12, 15)
                                                              P_{4115} = (1, 0, 11, 12)
                                                                                              P_{4160} = (1, 10, 1, 5)
P_{4026} = (1, 15, 9, 13)
                               P_{4071} = (1, 6, 10, 4)
                                                              P_{4116} = (1, 0, 5, 8)
                                                                                              P_{4161} = (0, 1, 5, 8)
                                                              P_{4117} = (1, 0, 9, 6)
                                                                                              P_{4162} = (1, 3, 15, 1)
P_{4027} = (1, 1, 6, 11)
                               P_{4072} = (1, 9, 2, 14)
P_{4028} = (1, 11, 8, 10)
                               P_{4073} = (1, 14, 11, 3)
                                                              P_{4118} = (1, 0, 3, 15)
                                                                                              P_{4163} = (1, 13, 11, 12)
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P_{4164} = (1, 1, 5, 8)
                               P_{4209} = (0, 1, 14, 4)
                                                              P_{4254} = (1, 7, 10, 9)
                                                                                              P_{4299} = (1, 10, 13, 11)
P_{4165} = (1, 10, 9, 6)
                               P_{4210} = (1, 6, 15, 1)
                                                              P_{4255} = (1, 10, 6, 7)
                                                                                              P_{4300} = (1, 1, 2, 10)
                               P_{4211} = (1, 3, 11, 12)
                                                              P_{4256} = (1, 3, 1, 5)
P_{4166} = (1, 8, 3, 15)
                                                                                              P_{4301} = (1, 15, 7, 2)
                               P_{4212} = (1, 2, 5, 8)
                                                              P_{4257} = (0, 1, 4, 13)
                                                                                              P_{4302} = (1, 5, 10, 9)
P_{4167} = (1, 12, 14, 4)
P_{4168} = (1, 11, 12, 14)
                               P_{4213} = (1, 13, 9, 6)
                                                              P_{4258} = (1, 9, 15, 1)
                                                                                              P_{4303} = (1, 3, 6, 7)
                                                              P_{4259} = (1, 8, 11, 12)
P_{4169} = (1, 5, 8, 3)
                                                                                              P_{4304} = (1, 12, 1, 5)
                               P_{4214} = (1, 9, 3, 15)
P_{4170} = (1, 14, 4, 13)
                               P_{4215} = (1, 1, 14, 4)
                                                              P_{4260} = (1, 7, 5, 8)
                                                                                              P_{4305} = (0, 1, 7, 2)
P_{4171} = (1, 4, 13, 11)
                               P_{4216} = (1, 15, 12, 14)
                                                              P_{4261} = (1, 4, 9, 6)
                                                                                              P_{4306} = (1, 12, 15, 1)
                               P_{4217} = (1, 10, 8, 3)
P_{4172} = (1, 7, 2, 10)
                                                              P_{4262} = (1, 10, 3, 15)
                                                                                              P_{4307} = (1, 6, 11, 12)
                                                              P_{4263} = (1, 15, 14, 4)
P_{4173} = (1, 6, 7, 2)
                               P_{4218} = (1, 5, 4, 13)
                                                                                              P_{4308} = (1, 4, 5, 8)
P_{4174} = (1, 2, 10, 9)
                               P_{4219} = (1, 8, 13, 11)
                                                              P_{4264} = (1, 3, 12, 14)
                                                                                              P_{4309} = (1, 3, 9, 6)
P_{4175} = (1, 9, 6, 7)
                               P_{4220} = (1, 14, 2, 10)
                                                              P_{4265} = (1, 2, 8, 3)
                                                                                              P_{4310} = (1, 11, 3, 15)
P_{4176} = (1, 15, 1, 5)
                               P_{4221} = (1, 12, 7, 2)
                                                              P_{4266} = (1, 1, 4, 13)
                                                                                              P_{4311} = (1, 2, 14, 4)
P_{4177} = (0, 1, 9, 6)
                                                                                              P_{4312} = (1, 7, 12, 14)
                               P_{4222} = (1, 4, 10, 9)
                                                              P_{4267} = (1, 5, 13, 11)
P_{4178} = (1, 4, 15, 1)
                               P_{4223} = (1, 11, 6, 7)
                                                              P_{4268} = (1, 12, 2, 10)
                                                                                              P_{4313} = (1, 13, 8, 3)
P_{4179} = (1, 2, 11, 12)
                               P_{4224} = (1, 7, 1, 5)
                                                              P_{4269} = (1, 11, 7, 2)
                                                                                              P_{4314} = (1, 10, 4, 13)
P_{4180} = (1, 11, 5, 8)
                               P_{4225} = (0, 1, 12, 14)
                                                              P_{4270} = (1, 14, 10, 9)
                                                                                              P_{4315} = (1, 9, 13, 11)
P_{4181} = (1, 1, 9, 6)
                               P_{4226} = (1, 7, 15, 1)
                                                              P_{4271} = (1, 13, 6, 7)
                                                                                              P_{4316} = (1, 5, 2, 10)
P_{4182} = (1, 14, 3, 15)
                               P_{4227} = (1, 15, 11, 12)
                                                              P_{4272} = (1, 6, 1, 5)
                                                                                              P_{4317} = (1, 1, 7, 2)
                               P_{4228} = (1, 10, 5, 8)
                                                              P_{4273} = (0, 1, 13, 11)
                                                                                              P_{4318} = (1, 8, 10, 9)
P_{4183} = (1, 9, 14, 4)
                               P_{4229} = (1, 11, 9, 6)
                                                              P_{4274} = (1, 10, 15, 1)
P_{4184} = (1, 10, 12, 14)
                                                                                              P_{4319} = (1, 15, 6, 7)
P_{4185} = (1, 12, 8, 3)
                               P_{4230} = (1, 6, 3, 15)
                                                              P_{4275} = (1, 5, 11, 12)
                                                                                              P_{4320} = (1, 14, 1, 5)
                               P_{4231} = (1, 5, 14, 4)
                                                              P_{4276} = (1, 6, 5, 8)
                                                                                              P_{4321} = (0, 1, 10, 9)
P_{4186} = (1, 6, 4, 13)
P_{4187} = (1, 7, 13, 11)
                               P_{4232} = (1, 1, 12, 14)
                                                              P_{4277} = (1, 14, 9, 6)
                                                                                              P_{4322} = (1, 13, 15, 1)
                                                              P_{4278} = (1, 2, 3, 15)
P_{4188} = (1, 3, 2, 10)
                               P_{4233} = (1, 9, 8, 3)
                                                                                              P_{4323} = (1, 10, 11, 12)
P_{4189} = (1, 8, 7, 2)
                               P_{4234} = (1, 8, 4, 13)
                                                              P_{4279} = (1, 3, 14, 4)
                                                                                              P_{4324} = (1, 12, 5, 8)
                                                              P_{4280} = (1, 8, 12, 14)
P_{4190} = (1, 15, 10, 9)
                               P_{4235} = (1, 3, 13, 11)
                                                                                              P_{4325} = (1, 5, 9, 6)
                               P_{4236} = (1, 4, 2, 10)
                                                              P_{4281} = (1, 7, 8, 3)
P_{4191} = (1, 5, 6, 7)
                                                                                              P_{4326} = (1, 4, 3, 15)
                                                              P_{4282} = (1, 15, 4, 13)
P_{4192} = (1, 13, 1, 5)
                               P_{4237} = (1, 14, 7, 2)
                                                                                              P_{4327} = (1, 6, 14, 4)
                                                              P_{4283} = (1, 1, 13, 11)
P_{4193} = (0, 1, 3, 15)
                               P_{4238} = (1, 13, 10, 9)
                                                                                              P_{4328} = (1, 9, 12, 14)
                                                              P_{4284} = (1, 11, 2, 10)
P_{4194} = (1, 5, 15, 1)
                               P_{4239} = (1, 12, 6, 7)
                                                                                              P_{4329} = (1, 14, 8, 3)
P_{4195} = (1, 14, 11, 12)
                               P_{4240} = (1, 2, 1, 5)
                                                              P_{4285} = (1, 13, 7, 2)
                                                                                              P_{4330} = (1, 7, 4, 13)
P_{4196} = (1, 3, 5, 8)
                               P_{4241} = (0, 1, 8, 3)
                                                              P_{4286} = (1, 12, 10, 9)
                                                                                              P_{4331} = (1, 2, 13, 11)
P_{4197} = (1, 7, 9, 6)
                               P_{4242} = (1, 8, 15, 1)
                                                              P_{4287} = (1, 4, 6, 7)
                                                                                              P_{4332} = (1, 15, 2, 10)
                                                              P_{4288} = (1, 9, 1, 5)
P_{4198} = (1, 1, 3, 15)
                               P_{4243} = (1, 4, 11, 12)
                                                                                              P_{4333} = (1, 3, 7, 2)
                                                              P_{4289} = (0, 1, 2, 10)
P_{4199} = (1, 13, 14, 4)
                               P_{4244} = (1, 15, 5, 8)
                                                                                              P_{4334} = (1, 1, 10, 9)
P_{4200} = (1, 4, 12, 14)
                               P_{4245} = (1, 2, 9, 6)
                                                              P_{4290} = (1, 11, 15, 1)
                                                                                              P_{4335} = (1, 8, 6, 7)
P_{4201} = (1, 15, 8, 3)
                               P_{4246} = (1, 5, 3, 15)
                                                              P_{4291} = (1, 9, 11, 12)
                                                                                              P_{4336} = (1, 11, 1, 5)
P_{4202} = (1, 11, 4, 13)
                               P_{4247} = (1, 11, 14, 4)
                                                              P_{4292} = (1, 14, 5, 8)
                                                                                              P_{4337} = (0, 1, 6, 7)
                               P_{4248} = (1, 13, 12, 14)
                                                              P_{4293} = (1, 8, 9, 6)
P_{4203} = (1, 12, 13, 11)
                                                                                              P_{4338} = (1, 14, 15, 1)
P_{4204} = (1, 9, 2, 10)
                               P_{4249} = (1, 1, 8, 3)
                                                              P_{4294} = (1, 13, 3, 15)
                                                                                              P_{4339} = (1, 7, 11, 12)
                               P_{4250} = (1, 12, 4, 13)
                                                              P_{4295} = (1, 7, 14, 4)
                                                                                              P_{4340} = (1, 13, 5, 8)
P_{4205} = (1, 10, 7, 2)
P_{4206} = (1, 6, 10, 9)
                               P_{4251} = (1, 14, 13, 11)
                                                              P_{4296} = (1, 6, 12, 14)
                                                                                              P_{4341} = (1, 15, 9, 6)
                                                              P_{4297} = (1, 4, 8, 3)
P_{4207} = (1, 2, 6, 7)
                               P_{4252} = (1, 6, 2, 10)
                                                                                              P_{4342} = (1, 12, 3, 15)
P_{4208} = (1, 8, 1, 5)
                               P_{4253} = (1, 9, 7, 2)
                                                              P_{4298} = (1, 2, 4, 13)
                                                                                              P_{4343} = (1, 10, 14, 4)
```

$P_{4344} = (1, 2, 12, 14)$	$P_{4351} = (1, 1, 6, 7)$	$P_{4358} = (1, 3, 3, 15)$	$P_{4365} = (1, 7, 7, 2)$
$P_{4345} = (1, 11, 8, 3)$	$P_{4352} = (1, 4, 1, 5)$	$P_{4359} = (1, 14, 14, 4)$	$P_{4366} = (1, 10, 10, 9)$
$P_{4346} = (1, 9, 4, 13)$	$P_{4353} = (0, 1, 1, 5)$	$P_{4360} = (1, 12, 12, 14)$	$P_{4367} = (1, 6, 6, 7)$
$P_{4347} = (1, 6, 13, 11)$	$P_{4354} = (1, 15, 15, 1)$	$P_{4361} = (1, 8, 8, 3)$	$P_{4368} = (1, 1, 1, 5)$
$P_{4348} = (1, 8, 2, 10)$	$P_{4355} = (1, 11, 11, 12)$	$P_{4362} = (1, 4, 4, 13)$	
$P_{4349} = (1, 5, 7, 2)$	$P_{4356} = (1, 5, 5, 8)$	$P_{4363} = (1, 13, 13, 11)$	
$P_{4350} = (1, 3, 10, 9)$	$P_{4357} = (1, 9, 9, 6)$	$P_{4364} = (1, 2, 2, 10)$	

The lines of PG(3, 16)

PG(3, 16) has 70161 1-subspaces:

Too many to print

PG(3, 16) has the following low weight Pluecker lines:

$$\begin{aligned} & \text{PG}(3,16) \text{ has the following low weight F} \\ & L_0 = \begin{bmatrix} 1,0,0,0 \\ 0,1,0,0 \end{bmatrix} = \mathbf{Pl}(1,0,0,0,0,0) \\ & L_{256} = \begin{bmatrix} 1,0,0,0 \\ 0,0,1,0 \end{bmatrix} = \mathbf{Pl}(0,0,1,0,0,0) \\ & L_{272} = \begin{bmatrix} 1,0,0,0 \\ 0,0,0,1 \end{bmatrix} = \mathbf{Pl}(0,0,0,0,1,0) \\ & L_{69888} = \begin{bmatrix} 0,1,0,0 \\ 0,0,1,0 \end{bmatrix} = \mathbf{Pl}(0,0,0,0,0,0,1) \\ & L_{69904} = \begin{bmatrix} 0,1,0,0 \\ 0,0,0,1 \end{bmatrix} = \mathbf{Pl}(0,0,0,1,0,0) \\ & L_{70160} = \begin{bmatrix} 0,0,1,0 \\ 0,0,0,1 \end{bmatrix} = \mathbf{Pl}(0,1,0,0,0,0) \end{aligned}$$

The planes of PG(3, 16)

PG(3, 16) has 4369 2-subspaces:

$$PG(3, 16) \text{ has } 4369 2$$

$$L_0 = \begin{bmatrix} 1, 0, 0, 0 \\ 0, 1, 0, 0 \\ 0, 0, 1, 0 \end{bmatrix}$$

$$L_1 = \begin{bmatrix} 1, 0, 0, 0 \\ 0, 1, 0, 0 \\ 0, 0, 1, 1 \end{bmatrix}$$

$$L_2 = \begin{bmatrix} 1, 0, 0, 0 \\ 0, 1, 0, 0 \\ 0, 0, 1, 2 \end{bmatrix}$$

$$L_3 = \begin{bmatrix} 1, 0, 0, 0 \\ 0, 1, 0, 0 \\ 0, 0, 1, 3 \end{bmatrix}$$

$$L_4 = \begin{bmatrix} 1, 0, 0, 0 \\ 0, 1, 0, 0 \\ 0, 0, 1, 4 \end{bmatrix}$$

$$L_5 = \begin{bmatrix} 1, 0, 0, 0 \\ 0, 1, 0, 0 \\ 0, 0, 1, 5 \end{bmatrix}$$

$$L_6 = \begin{bmatrix} 1, 0, 0, 0 \\ 0, 1, 0, 0 \\ 0, 0, 1, 6 \end{bmatrix}$$

$$L_7 = \begin{bmatrix} 1, 0, 0, 0 \\ 0, 1, 0, 0 \\ 0, 0, 1, 7 \end{bmatrix}$$

$$L_8 = \begin{bmatrix} 1, 0, 0, 0 \\ 0, 1, 0, 0 \\ 0, 0, 1, 8 \end{bmatrix}$$

$$L_{10} = \begin{bmatrix} 1, 0, 0, 0 \\ 0, 1, 0, 0 \\ 0, 0, 1, 10 \end{bmatrix}$$

$$L_{11} = \begin{bmatrix} 1, 0, 0, 0 \\ 0, 1, 0, 0 \\ 0, 0, 1, 11 \end{bmatrix}$$

$$L_{12} = \begin{bmatrix} 1, 0, 0, 0 \\ 0, 1, 0, 0 \\ 0, 1, 0, 0 \\ 0, 0, 1, 11 \end{bmatrix}$$

$$L_{13} = egin{bmatrix} 1,0,0,0 \ 0,1,0,0 \ 0,0,1,13 \end{bmatrix} \ L_{14} = egin{bmatrix} 1,0,0,0 \ 0,0,1,14 \end{bmatrix} \ L_{15} = egin{bmatrix} 1,0,0,0 \ 0,0,1,15 \end{bmatrix} \ L_{16} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \end{bmatrix} \ L_{17} = egin{bmatrix} 1,0,0,0 \ 0,1,0,1 \ 0,0,1,0 \end{bmatrix} \ L_{18} = egin{bmatrix} 1,0,0,0 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{20} = egin{bmatrix} 1,0,0,0 \ 0,1,0,1 \ 0,0,1,3 \end{bmatrix} \ L_{21} = egin{bmatrix} 1,0,0,0 \ 0,1,0,1 \ 0,0,1,4 \end{bmatrix} \ L_{22} = egin{bmatrix} 1,0,0,0 \ 0,1,0,1 \ 0,0,1,5 \end{bmatrix} \ L_{23} = egin{bmatrix} 1,0,0,0 \ 0,1,0,1 \ 0,0,1,5 \end{bmatrix} \ L_{24} = egin{bmatrix} 1,0,0,0 \ 0,1,0,1 \ 0,0,1,6 \ 1,0,0,0 \ 0,1,0,1 \ 0,0,1,7 \end{bmatrix} \ L_{25} = egin{bmatrix} 1,0,0,0 \ 0,1,0,1 \ 0,0,1,9 \ 0,1,0,1 \ 0,0,1,9 \end{bmatrix} \ L_{26} = egin{bmatrix} 1,0,0,0 \ 0,1,0,1 \ 0,0,1,9 \ 0,1,0,1 \ 0,0,1,9 \end{bmatrix} \ L_{26} = egin{bmatrix} 1,0,0,0 \ 0,1,0,1 \ 0,0,1,9 \$$

$$L_{27} = egin{bmatrix} 1,0,0,0 \ 0,1,0,1 \ 0,0,1,10 \end{bmatrix} \ L_{28} = egin{bmatrix} 1,0,0,0 \ 0,1,0,1 \ 0,0,1,11 \end{bmatrix} \ L_{29} = egin{bmatrix} 1,0,0,0 \ 0,1,0,1 \ 0,0,1,13 \end{bmatrix} \ L_{30} = egin{bmatrix} 1,0,0,0 \ 0,1,0,1 \ 0,0,1,14 \end{bmatrix} \ L_{31} = egin{bmatrix} 1,0,0,0 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{32} = egin{bmatrix} 1,0,0,0 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{33} = egin{bmatrix} 1,0,0,0 \ 0,1,0,1 \ 0,0,0,1,15 \end{bmatrix} \ L_{34} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,0 \end{bmatrix} \ L_{35} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,3 \end{bmatrix} \ L_{36} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,3 \end{bmatrix} \ L_{39} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,5 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,5 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{40} = egin{bmat$$

$$L_{41} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,7 \ \end{bmatrix} \ L_{42} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,9 \ \end{bmatrix} \ L_{43} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,10 \ \end{bmatrix} \ L_{44} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,11 \ \end{bmatrix} \ L_{45} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,12 \ \end{bmatrix} \ L_{46} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,13 \ \end{bmatrix} \ L_{49} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,14 \ \end{bmatrix} \ L_{50} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,15 \ \end{bmatrix} \ L_{51} = egin{bmatrix} 1,0,0,0 \ 0,1,0,2 \ 0,0,1,13 \ \end{bmatrix} \ L_{52} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \ \end{bmatrix} \ L_{53} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,2 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{54}$$

$$L_{55} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,4 \end{bmatrix} \ L_{56} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,5 \end{bmatrix} \ L_{57} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,7 \end{bmatrix} \ L_{58} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,9 \end{bmatrix} \ L_{60} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,10 \end{bmatrix} \ L_{62} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,11 \end{bmatrix} \ L_{63} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,12 \end{bmatrix} \ L_{64} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,13 \end{bmatrix} \ L_{65} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,15 \end{bmatrix} \ L_{67} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,15 \end{bmatrix} \ L_{68} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,15 \end{bmatrix} \ L_{68} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,15 \end{bmatrix} \ L_{68} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,15 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,15 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,15 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,15 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{69}$$

$$L_{69} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,1 \end{bmatrix} \ L_{70} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,3 \end{bmatrix} \ L_{71} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,4 \end{bmatrix} \ L_{72} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,5 \end{bmatrix} \ L_{73} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,6 \end{bmatrix} \ L_{74} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,7 \end{bmatrix} \ L_{75} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,9 \end{bmatrix} \ L_{76} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,10 \end{bmatrix} \ L_{79} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,11 \end{bmatrix} \ L_{80} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,12 \end{bmatrix} \ L_{81} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{82} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{82} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{81} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{82} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{81} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{82} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{81} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{82} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{82} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{82} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{82} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{82} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{82} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{82} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{82} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{82} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{82} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{82} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{83} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{84} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{84} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{84} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{84} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{84} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{84} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \$$

$$L_{83} = egin{bmatrix} 1,0,0,0 \ 0,1,0,4 \ 0,0,1,15 \end{bmatrix} \ L_{84} = egin{bmatrix} 1,0,0,0 \ 0,1,4,0 \ 0,0,0,1 \end{bmatrix} \ L_{85} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,2 \end{bmatrix} \ L_{86} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{89} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,4 \end{bmatrix} \ L_{90} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,5 \end{bmatrix} \ L_{91} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,6 \end{bmatrix} \ L_{92} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,6 \end{bmatrix} \ L_{93} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,9 \end{bmatrix} \ L_{94} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,9 \end{bmatrix} \ L_{95} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,0 \end{bmatrix} \ L_{96} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,0 \end{bmatrix} \ L_{$$

$$L_{97} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,12 \ \end{bmatrix} \ L_{98} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,13 \ \end{bmatrix} \ L_{99} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,14 \ \end{bmatrix} \ L_{100} = egin{bmatrix} 1,0,0,0 \ 0,1,0,5 \ 0,0,1,15 \ \end{bmatrix} \ L_{101} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,0 \ \end{bmatrix} \ L_{102} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,1 \ \end{bmatrix} \ L_{103} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,2 \ \end{bmatrix} \ L_{104} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,3 \ \end{bmatrix} \ L_{105} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,3 \ \end{bmatrix} \ L_{107} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,5 \ \end{bmatrix} \ L_{108} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,5 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,8 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,8 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,8 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,8 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,8 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,8 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,8 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,8 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,8 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,8 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,6 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,6 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,6 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,6 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,6 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,6 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,6 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,1,0,6 \ 0,0,1,6 \ \end{bmatrix} \ L_{109} = egin{bmatrix} 1,0,0,0 \ 0,$$

$$L_{111} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,6\\ 0,0,1,9 \end{bmatrix} \\ L_{112} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,6\\ 0,0,1,10 \end{bmatrix} \\ L_{113} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,6\\ 0,0,1,11 \end{bmatrix} \\ L_{114} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,6\\ 0,0,1,12 \end{bmatrix} \\ L_{115} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,6\\ 0,0,1,13 \end{bmatrix} \\ L_{116} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,6\\ 0,0,1,14 \end{bmatrix} \\ L_{117} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,6\\ 0,0,1,15 \end{bmatrix} \\ L_{118} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,6\\ 0,0,1,15 \end{bmatrix} \\ L_{119} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,6\\ 0,0,0,1 \end{bmatrix} \\ L_{120} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,7\\ 0,0,1,0 \end{bmatrix} \\ L_{121} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,7\\ 0,0,1,2 \end{bmatrix} \\ L_{122} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,7\\ 0,0,1,3 \end{bmatrix} \\ L_{123} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,7\\ 0,0,1,4 \end{bmatrix} \\ L_{124} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,7\\ 0,0,1,4 \end{bmatrix} \\ L_{124} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,7\\ 0,0,1,5 \end{bmatrix}$$

$$L_{125} = egin{bmatrix} 1,0,0,0 \ 0,1,0,7 \ 0,0,1,6 \ \end{bmatrix} \ L_{126} = egin{bmatrix} 1,0,0,0 \ 0,1,0,7 \ 0,0,1,8 \ \end{bmatrix} \ L_{127} = egin{bmatrix} 1,0,0,0 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{128} = egin{bmatrix} 1,0,0,0 \ 0,1,0,7 \ 0,0,1,10 \ \end{bmatrix} \ L_{130} = egin{bmatrix} 1,0,0,0 \ 0,1,0,7 \ 0,0,1,11 \ \end{bmatrix} \ L_{131} = egin{bmatrix} 1,0,0,0 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{132} = egin{bmatrix} 1,0,0,0 \ 0,1,0,7 \ 0,0,1,13 \ \end{bmatrix} \ L_{133} = egin{bmatrix} 1,0,0,0 \ 0,1,0,7 \ 0,0,1,13 \ \end{bmatrix} \ L_{134} = egin{bmatrix} 1,0,0,0 \ 0,1,0,7 \ 0,0,1,14 \ \end{bmatrix} \ L_{136} = egin{bmatrix} 1,0,0,0 \ 0,1,0,7 \ 0,0,0,1,15 \ \end{bmatrix} \ L_{136} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,0 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{138} = egin{bmatrix} 1,0,0,0 \ 0,1,0,0 \ 0,1,0,0 \ 0,1,0,0 \ 0,1,0,0 \ 0,1,0,0 \ 0,1,0,0 \ 0,1,0,0 \ 0,1,0,0 \ 0,1,0,0 \ 0,1,0,0 \ 0,1,0,0 \ 0,$$

$$L_{139} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,3 \end{bmatrix} \\ L_{140} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,4 \end{bmatrix} \\ L_{141} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,5 \end{bmatrix} \\ L_{142} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,6 \end{bmatrix} \\ L_{143} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,7 \end{bmatrix} \\ L_{144} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,8 \end{bmatrix} \\ L_{145} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,9 \end{bmatrix} \\ L_{146} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,10 \end{bmatrix} \\ L_{147} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,11 \end{bmatrix} \\ L_{149} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,12 \end{bmatrix} \\ L_{150} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,13 \end{bmatrix} \\ L_{151} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,14 \end{bmatrix} \\ L_{152} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,15 \end{bmatrix} \\ L_{153} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,15 \end{bmatrix} \\ L_{154} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,15 \end{bmatrix} \\ L_{155} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,15 \end{bmatrix} \\ L_{150} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,15 \end{bmatrix} \\ L_{151} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,15 \end{bmatrix} \\ L_{152} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,15 \end{bmatrix} \\ L_{153} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,15 \end{bmatrix} \\ L_{154} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,1,15 \end{bmatrix} \\ L_{155} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,0,1 \end{bmatrix} \\ L_{155} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,8\\ 0,0,0,1 \end{bmatrix}$$

$$L_{153} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,9\\ 0,0,1,0 \end{bmatrix} \\ L_{154} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,9\\ 0,0,1,1 \end{bmatrix} \\ L_{155} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,9\\ 0,0,1,2 \end{bmatrix} \\ L_{156} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,9\\ 0,0,1,3 \end{bmatrix} \\ L_{157} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,9\\ 0,0,1,4 \end{bmatrix} \\ L_{158} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,9\\ 0,0,1,5 \end{bmatrix} \\ L_{159} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,9\\ 0,0,1,6 \end{bmatrix} \\ L_{160} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,9\\ 0,0,1,7 \end{bmatrix} \\ L_{161} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,9\\ 0,0,1,8 \end{bmatrix} \\ L_{162} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,9\\ 0,0,1,10 \end{bmatrix} \\ L_{163} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,9\\ 0,0,1,10 \end{bmatrix} \\ L_{164} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,9\\ 0,0,1,11 \end{bmatrix} \\ L_{165} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,9\\ 0,0,1,12 \end{bmatrix} \\ L_{166} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,9\\ 0,0,1,12 \end{bmatrix} \\ L_{160} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,9\\ 0,0,1,11 \end{bmatrix} \\ L_{160} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,9\\ 0,0,1,12 \end{bmatrix} \\ L_{160} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,9\\ 0,0,1,13 \end{bmatrix}$$

$$L_{167} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,9\\ 0,0,1,14 \end{bmatrix}$$

$$L_{168} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,9\\ 0,0,1,15 \end{bmatrix}$$

$$L_{169} = \begin{bmatrix} 1,0,0,0\\ 0,1,9,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{170} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,10\\ 0,0,1,0 \end{bmatrix}$$

$$L_{171} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,10\\ 0,0,1,1 \end{bmatrix}$$

$$L_{172} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,10\\ 0,0,1,2 \end{bmatrix}$$

$$L_{173} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,10\\ 0,0,1,3 \end{bmatrix}$$

$$L_{174} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,10\\ 0,0,1,4 \end{bmatrix}$$

$$L_{175} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,10\\ 0,0,1,5 \end{bmatrix}$$

$$L_{176} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,10\\ 0,0,1,5 \end{bmatrix}$$

$$L_{178} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,10\\ 0,0,1,7 \end{bmatrix}$$

$$L_{179} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,10\\ 0,0,1,9\\ 1,0,0,0 \end{bmatrix}$$

$$L_{180} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,10\\ 0,0,1,9 \end{bmatrix}$$

$$L_{190} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,10\\ 0,0,1,9 \end{bmatrix}$$

$$L_{181} = egin{bmatrix} 1,0,0,0 \ 0,1,0,10 \ 0,0,1,11 \ 1,0,0,0 \ 0,1,0,10 \ 0,0,1,12 \ \end{bmatrix}$$
 $L_{182} = egin{bmatrix} 1,0,0,0 \ 0,1,0,10 \ 0,0,1,13 \ \end{bmatrix}$
 $L_{183} = egin{bmatrix} 1,0,0,0 \ 0,1,0,10 \ 0,0,1,14 \ \end{bmatrix}$
 $L_{184} = egin{bmatrix} 1,0,0,0 \ 0,1,0,10 \ 0,0,1,15 \ \end{bmatrix}$
 $L_{186} = egin{bmatrix} 1,0,0,0 \ 0,1,0,11 \ 0,0,1,0 \ \end{bmatrix}$
 $L_{187} = egin{bmatrix} 1,0,0,0 \ 0,1,0,11 \ 0,0,1,0 \ \end{bmatrix}$
 $L_{189} = egin{bmatrix} 1,0,0,0 \ 0,1,0,11 \ 0,0,1,2 \ \end{bmatrix}$
 $L_{190} = egin{bmatrix} 1,0,0,0 \ 0,1,0,11 \ 0,0,1,3 \ \end{bmatrix}$
 $L_{192} = egin{bmatrix} 1,0,0,0 \ 0,1,0,11 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{193} = egin{bmatrix} 1,0,0,0 \ 0,1,0,11 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{194} = egin{bmatrix} 1,0,0,0 \ 0,1,0,11 \ 0,0,1,7 \ \end{bmatrix}$

$$L_{195} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,11\\ 0,0,1,8\\ 1,0,0,0\\ 0,1,0,11\\ 0,0,1,9 \end{bmatrix}$$

$$L_{197} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,11\\ 0,0,1,10\\ 1,0,0,0\\ 0,1,0,11\\ 0,0,1,11 \end{bmatrix}$$

$$L_{198} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,11\\ 0,0,1,11\\ 1,0,0,0\\ 0,1,0,11\\ 0,0,1,12 \end{bmatrix}$$

$$L_{200} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,11\\ 0,0,1,13\\ 1,0,0,0\\ 0,1,0,11\\ 0,0,1,14 \end{bmatrix}$$

$$L_{201} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,11\\ 0,0,1,14\\ 1,0,0,0\\ 0,1,0,11\\ 0,0,1,15 \end{bmatrix}$$

$$L_{202} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,11\\ 0,0,0,1,15 \end{bmatrix}$$

$$L_{203} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,12\\ 0,0,1,0 \end{bmatrix}$$

$$L_{204} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,12\\ 0,0,1,1\\ 1,0,0,0\\ 0,1,0,12\\ 0,0,1,2 \end{bmatrix}$$

$$L_{207} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,12\\ 0,0,1,3\\ 1,0,0,0\\ 0,1,0,12\\ 0,0,1,4 \end{bmatrix}$$

$$L_{208} = \begin{bmatrix} 1,0,0,0\\ 0,1,0,12\\ 0,0,1,3\\ 1,0,0,0\\ 0,1,0,12\\ 0,0,1,4 \end{bmatrix}$$

$$L_{209} = egin{bmatrix} 1,0,0,0 \ 0,1,0,12 \ 0,0,1,5 \ \end{bmatrix} \ L_{210} = egin{bmatrix} 1,0,0,0 \ 0,1,0,12 \ 0,0,1,7 \ \end{bmatrix} \ L_{211} = egin{bmatrix} 1,0,0,0 \ 0,1,0,12 \ 0,0,1,8 \ \end{bmatrix} \ L_{212} = egin{bmatrix} 1,0,0,0 \ 0,1,0,12 \ 0,0,1,9 \ \end{bmatrix} \ L_{213} = egin{bmatrix} 1,0,0,0 \ 0,1,0,12 \ 0,0,1,10 \ \end{bmatrix} \ L_{214} = egin{bmatrix} 1,0,0,0 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{216} = egin{bmatrix} 1,0,0,0 \ 0,1,0,12 \ 0,0,1,12 \ \end{bmatrix} \ L_{217} = egin{bmatrix} 1,0,0,0 \ 0,1,0,12 \ 0,0,1,13 \ \end{bmatrix} \ L_{219} = egin{bmatrix} 1,0,0,0 \ 0,1,0,12 \ 0,0,1,14 \ \end{bmatrix} \ L_{220} = egin{bmatrix} 1,0,0,0 \ 0,1,0,12 \ 0,0,0,1 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{222} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{223} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{233} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{234} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{234} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \$$

$$L_{223} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,2 \ \end{bmatrix} \ L_{224} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,4 \ \end{bmatrix} \ L_{225} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{226} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,6 \ \end{bmatrix} \ L_{227} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,7 \ \end{bmatrix} \ L_{228} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,7 \ \end{bmatrix} \ L_{230} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,9 \ \end{bmatrix} \ L_{231} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,10 \ \end{bmatrix} \ L_{232} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,11 \ \end{bmatrix} \ L_{234} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,14 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{236} = egin{bmatrix} 1,0,0,0 \ 0,1$$

$$L_{237} = egin{bmatrix} 1,0,0,0 \ 0,1,13,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{238} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,1 \ \end{bmatrix} \ L_{239} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{240} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,3 \ \end{bmatrix} \ L_{241} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{242} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{244} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,6 \ \end{bmatrix} \ L_{245} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,7 \ \end{bmatrix} \ L_{246} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,7 \ \end{bmatrix} \ L_{248} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,10 \ \end{bmatrix} \ L_{249} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,10 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{250} = egin{bmatrix} 1,0,0,0 \ 0,1,0$$

$$L_{251} = egin{bmatrix} 1,0,0,0 \ 0,1,0,14 \ 0,0,1,13 \ 1,0,0,0 \ 0,1,0,14 \ 0,0,1,14 \ \end{bmatrix}$$
 $L_{252} = egin{bmatrix} 0,1,0,14 \ 0,0,1,14 \ \end{bmatrix}$
 $L_{253} = egin{bmatrix} 1,0,0,0 \ 0,1,0,15 \ \end{bmatrix}$
 $L_{254} = egin{bmatrix} 1,0,0,0 \ 0,1,0,15 \ \end{bmatrix}$
 $L_{255} = egin{bmatrix} 0,1,0,15 \ 0,0,1,0 \ \end{bmatrix}$
 $L_{256} = egin{bmatrix} 1,0,0,0 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix}$
 $L_{258} = egin{bmatrix} 1,0,0,0 \ 0,1,0,15 \ 0,0,1,3 \ \end{bmatrix}$
 $L_{259} = egin{bmatrix} 1,0,0,0 \ 0,1,0,15 \ 0,0,1,4 \ \end{bmatrix}$
 $L_{260} = egin{bmatrix} 0,1,0,15 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{261} = egin{bmatrix} 0,1,0,15 \ 0,0,1,6 \ \end{bmatrix}$
 $L_{262} = egin{bmatrix} 0,1,0,15 \ 0,0,1,7 \ \end{bmatrix}$
 $L_{263} = egin{bmatrix} 1,0,0,0 \ 0,1,0,15 \ 0,0,1,7 \ \end{bmatrix}$
 $L_{264} = egin{bmatrix} 0,1,0,15 \ 0,0,1,9 \ \end{bmatrix}$

$$L_{279} = egin{bmatrix} 1,0,0,1 \ 0,1,0,0 \ 0,0,1,6 \ \end{bmatrix} \ L_{280} = egin{bmatrix} 1,0,0,1 \ 0,1,0,0 \ 0,0,1,8 \ \end{bmatrix} \ L_{281} = egin{bmatrix} 1,0,0,1 \ 0,1,0,0 \ 0,0,1,9 \ \end{bmatrix} \ L_{282} = egin{bmatrix} 1,0,0,1 \ 0,1,0,0 \ 0,0,1,10 \ \end{bmatrix} \ L_{283} = egin{bmatrix} 1,0,0,1 \ 0,1,0,0 \ 0,0,1,11 \ \end{bmatrix} \ L_{284} = egin{bmatrix} 1,0,0,1 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{286} = egin{bmatrix} 1,0,0,1 \ 0,1,0,0 \ 0,0,1,13 \ \end{bmatrix} \ L_{287} = egin{bmatrix} 1,0,0,1 \ 0,1,0,0 \ 0,0,1,13 \ \end{bmatrix} \ L_{289} = egin{bmatrix} 1,0,0,1 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{290} = egin{bmatrix} 1,0,0,1 \ 0,0,1,0,1 \ 0,0,1,0,1 \ 0,0,1,0,1 \ 0,0,1,0,1 \ 0,0,1,0,1 \ 0,0,1,0,1 \ 0,0,1,0,1 \ 0,0,1,0,1 \ 0,0,1,0,1 \ 0,0,1,0,1 \ 0,0,1,0,1 \ 0,0,1,2 \ \end{bmatrix} \ L_{292} = egin{bmatrix} 1,0,0,1 \ 0,0,1,2 \ \end{bmatrix} \ L_{2$$

$$L_{293} = egin{bmatrix} 1,0,0,1 \ 0,1,0,1 \ 0,0,1,3 \end{bmatrix} \ L_{294} = egin{bmatrix} 1,0,0,1 \ 0,0,1,4 \end{bmatrix} \ L_{295} = egin{bmatrix} 1,0,0,1 \ 0,0,1,5 \end{bmatrix} \ L_{296} = egin{bmatrix} 1,0,0,1 \ 0,0,1,6 \end{bmatrix} \ L_{297} = egin{bmatrix} 1,0,0,1 \ 0,0,1,7 \end{bmatrix} \ L_{298} = egin{bmatrix} 1,0,0,1 \ 0,0,1,9 \end{bmatrix} \ L_{299} = egin{bmatrix} 1,0,0,1 \ 0,0,1,9 \end{bmatrix} \ L_{300} = egin{bmatrix} 1,0,0,1 \ 0,0,1,10 \ 0,0,1,10 \end{bmatrix} \ L_{301} = egin{bmatrix} 1,0,0,1 \ 0,0,1,11 \ 0,0,1,11 \end{bmatrix} \ L_{302} = egin{bmatrix} 1,0,0,1 \ 0,0,1,12 \ 1,0,0,1 \ 0,0,1,13 \ 1,0,0,1 \ 0,0,1,13 \end{bmatrix} \ L_{304} = egin{bmatrix} 1,0,0,1 \ 0,0,1,14 \ 0,0,1,15 \ 0,0,1,15 \ 0,0,1,15 \ 0,0,0,1 \ 0,0,0,1 \end{bmatrix} \ L_{306} = egin{bmatrix} 1,0,0,1 \ 0,0,0,1 \ 0,1,0,1 \ 0,0,1,15 \ 0,0,0,1 \ 0,0,0,1 \ 0,0,0,1 \ 0,0,0,1 \ 0,0,0,1 \ 0,0,0,1 \ 0,0,0,1 \ 0,0,0,0,1 \$$

$$L_{307} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,2\\ 0,0,1,0 \end{bmatrix}$$

$$L_{308} = \begin{bmatrix} 1,0,0,1\\ 1,0,0,1\\ 0,1,0,2\\ 0,0,1,1 \end{bmatrix}$$

$$L_{309} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,2\\ 0,0,1,2 \end{bmatrix}$$

$$L_{310} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,2\\ 0,0,1,3 \end{bmatrix}$$

$$L_{311} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,2\\ 0,0,1,4 \end{bmatrix}$$

$$L_{312} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,2\\ 0,0,1,5 \end{bmatrix}$$

$$L_{313} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,2\\ 0,0,1,5 \end{bmatrix}$$

$$L_{314} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,2\\ 0,0,1,6 \end{bmatrix}$$

$$L_{314} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,2\\ 0,0,1,7 \end{bmatrix}$$

$$L_{315} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,2\\ 0,0,1,9 \end{bmatrix}$$

$$L_{316} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,2\\ 0,0,1,10 \end{bmatrix}$$

$$L_{318} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,2\\ 0,0,1,11 \end{bmatrix}$$

$$L_{319} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,2\\ 0,0,1,12 \end{bmatrix}$$

$$L_{320} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,2\\ 0,0,1,13 \end{bmatrix}$$

$$L_{321} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,2\\ 0,0,1,14 \end{bmatrix}$$

$$L_{322} = \begin{bmatrix} 1,0,0,1\\ 1,0,0,1\\ 0,1,0,2\\ 0,0,1,15 \end{bmatrix}$$

$$L_{323} = \begin{bmatrix} 1,0,1,0\\ 0,1,2,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{324} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,3\\ 0,0,1,0 \end{bmatrix}$$

$$L_{325} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,3\\ 0,0,1,1 \end{bmatrix}$$

$$L_{326} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,3\\ 0,0,1,2 \end{bmatrix}$$

$$L_{327} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,3\\ 0,0,1,2 \end{bmatrix}$$

$$L_{328} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,3\\ 0,0,1,4 \end{bmatrix}$$

$$L_{329} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,3\\ 0,0,1,5 \end{bmatrix}$$

$$L_{330} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,3\\ 0,0,1,5 \end{bmatrix}$$

$$L_{331} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,3\\ 0,0,1,7 \end{bmatrix}$$

$$L_{332} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,3\\ 0,0,1,7 \end{bmatrix}$$

$$L_{333} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,3\\ 0,0,1,9 \end{bmatrix}$$

$$L_{334} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,3\\ 0,0,1,9 \end{bmatrix}$$

$$L_{334} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,3\\ 0,0,1,9 \end{bmatrix}$$

$$L_{335} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,3\\ 0,0,1,11 \end{bmatrix} \ L_{336} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,3\\ 0,0,1,12 \end{bmatrix} \ L_{337} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,3\\ 0,0,1,13 \end{bmatrix} \ L_{338} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,3\\ 0,0,1,14 \end{bmatrix} \ L_{340} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,3\\ 0,0,1,15 \end{bmatrix} \ L_{341} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,3\\ 0,0,0,1 \end{bmatrix} \ L_{342} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,4\\ 0,0,1,0 \end{bmatrix} \ L_{343} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,4\\ 0,0,1,2 \end{bmatrix} \ L_{344} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,4\\ 0,0,1,3 \end{bmatrix} \ L_{345} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,4\\ 0,0,1,3 \end{bmatrix} \ L_{346} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,4\\ 0,0,1,5 \end{bmatrix} \ L_{347} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,4\\ 0,0,1,5 \end{bmatrix} \ L_{348} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,4\\ 0,0,1,6 \end{bmatrix} \ L_{348} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,4\\ 0,0,1,7 \end{bmatrix} \ L_{348} = \begin{bmatrix} 1,0,0,1\\ 0,$$

$$L_{349} = \begin{bmatrix} 1,0,0,1\\0,1,0,4\\0,0,1,8 \end{bmatrix} \\ L_{350} = \begin{bmatrix} 1,0,0,1\\0,1,0,4\\0,0,1,9 \end{bmatrix} \\ L_{351} = \begin{bmatrix} 1,0,0,1\\0,1,0,4\\0,0,1,10 \end{bmatrix} \\ L_{352} = \begin{bmatrix} 1,0,0,1\\0,1,0,4\\0,0,1,11 \end{bmatrix} \\ L_{353} = \begin{bmatrix} 1,0,0,1\\0,1,0,4\\0,0,1,12 \end{bmatrix} \\ L_{354} = \begin{bmatrix} 1,0,0,1\\0,1,0,4\\0,0,1,13 \end{bmatrix} \\ L_{355} = \begin{bmatrix} 1,0,0,1\\0,1,0,4\\0,0,1,14 \end{bmatrix} \\ L_{356} = \begin{bmatrix} 1,0,0,1\\0,1,0,4\\0,0,1,15 \end{bmatrix} \\ L_{357} = \begin{bmatrix} 1,0,0,1\\0,1,0,4\\0,0,1,15 \end{bmatrix} \\ L_{358} = \begin{bmatrix} 1,0,1,0\\0,1,0,4\\0,0,0,1 \end{bmatrix} \\ L_{359} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,0,1,1 \end{bmatrix} \\ L_{360} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,0,1,2 \end{bmatrix} \\ L_{361} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,0,1,3 \end{bmatrix} \\ L_{362} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,0,1,3 \end{bmatrix} \\ L_{362} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,0,1,3 \end{bmatrix} \\ L_{362} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,0,1,3 \end{bmatrix} \\ L_{363} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,0,1,3 \end{bmatrix} \\ L_{364} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,0,1,3 \end{bmatrix} \\ L_{364} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,0,1,3 \end{bmatrix} \\ L_{365} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,0,1,3 \end{bmatrix} \\ L_{361} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,0,1,3 \end{bmatrix} \\ L_{362} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,0,1,4 \end{bmatrix} \\ L_{363} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,0,1,3 \end{bmatrix} \\ L_{364} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,0,1,3 \end{bmatrix} \\ L_{364} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,0,1,3 \end{bmatrix} \\ L_{364} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,0,1,3 \end{bmatrix} \\ L_{365} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,0,1,3 \end{bmatrix} \\ L_{366} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,0,1,4 \end{bmatrix} \\ L_{366} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,1,2 \end{bmatrix} \\ L_{366} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,1,2 \end{bmatrix} \\ L_{366} = \begin{bmatrix} 1,0,0,1\\0,1,0,5\\0,1,2 \end{bmatrix} \\ L_{$$

$$L_{363} = egin{bmatrix} 1,0,0,1 \ 0,1,0,5 \ 0,0,1,5 \end{bmatrix} \ L_{364} = egin{bmatrix} 1,0,0,1 \ 0,1,0,5 \ 0,0,1,7 \end{bmatrix} \ L_{365} = egin{bmatrix} 1,0,0,1 \ 0,1,0,5 \ 0,0,1,9 \end{bmatrix} \ L_{366} = egin{bmatrix} 1,0,0,1 \ 0,1,0,5 \ 0,0,1,10 \end{bmatrix} \ L_{368} = egin{bmatrix} 1,0,0,1 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{370} = egin{bmatrix} 1,0,0,1 \ 0,1,0,5 \ 0,0,1,12 \end{bmatrix} \ L_{371} = egin{bmatrix} 1,0,0,1 \ 0,1,0,5 \ 0,0,1,13 \end{bmatrix} \ L_{372} = egin{bmatrix} 1,0,0,1 \ 0,1,0,5 \ 0,0,1,14 \end{bmatrix} \ L_{373} = egin{bmatrix} 1,0,0,1 \ 0,1,0,5 \ 0,0,1,15 \end{bmatrix} \ L_{374} = egin{bmatrix} 1,0,0,1 \ 0,1,0,5 \ 0,0,1,15 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,0 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{376} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6$$

$$L_{377} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,2 \ \end{bmatrix} \ L_{378} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,3 \ \end{bmatrix} \ L_{379} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,5 \ \end{bmatrix} \ L_{380} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,6 \ \end{bmatrix} \ L_{381} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{382} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,9 \ \end{bmatrix} \ L_{384} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,10 \ \end{bmatrix} \ L_{385} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,10 \ \end{bmatrix} \ L_{387} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,12 \ \end{bmatrix} \ L_{388} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{389} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,14 \ \end{bmatrix} \ L_{390} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,15 \ \end{bmatrix} \ L_{390} = egin{bmatrix} 1,0,0,1 \ 0,1,0,6 \ 0,0,1,15 \ \end{bmatrix}$$

$$L_{391} = egin{bmatrix} 1,0,1,0 \ 0,1,6,0 \ 0,0,0,1 \ 1,0,0,1 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix}$$
 $L_{392} = egin{bmatrix} 1,0,0,1 \ 0,1,0,7 \ 0,0,1,1 \ \end{bmatrix}$
 $L_{393} = egin{bmatrix} 1,0,0,1 \ 0,1,0,7 \ 0,0,1,2 \ \end{bmatrix}$
 $L_{394} = egin{bmatrix} 1,0,0,1 \ 0,1,0,7 \ 0,0,1,3 \ \end{bmatrix}$
 $L_{395} = egin{bmatrix} 1,0,0,1 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{396} = egin{bmatrix} 1,0,0,1 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{398} = egin{bmatrix} 1,0,0,1 \ 0,1,0,7 \ 0,0,1,6 \ \end{bmatrix}$
 $L_{400} = egin{bmatrix} 1,0,0,1 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix}$
 $L_{401} = egin{bmatrix} 1,0,0,1 \ 0,1,0,7 \ 0,0,1,10 \ \end{bmatrix}$
 $L_{402} = egin{bmatrix} 1,0,0,1 \ 0,1,0,7 \ 0,0,1,10 \ \end{bmatrix}$
 $L_{403} = egin{bmatrix} 1,0,0,1 \ 0,1,0,7 \ 0,0,1,10 \ \end{bmatrix}$
 $L_{404} = egin{bmatrix} 1,0,0,1 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix}$

$$L_{405} = egin{bmatrix} 1,0,0,1 \ 0,1,0,7 \ 0,0,1,13 \ \end{bmatrix} \ L_{406} = egin{bmatrix} 1,0,0,1 \ 0,1,0,7 \ 0,0,1,14 \ \end{bmatrix} \ L_{407} = egin{bmatrix} 1,0,0,1 \ 0,1,0,7 \ 0,0,1,15 \ \end{bmatrix} \ L_{408} = egin{bmatrix} 1,0,1,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{409} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,0 \ \end{bmatrix} \ L_{410} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{411} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,3 \ \end{bmatrix} \ L_{412} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,4 \ \end{bmatrix} \ L_{413} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,5 \ \end{bmatrix} \ L_{415} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix} \ L_{416} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,7 \ \end{bmatrix} \ L_{417} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{418} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \$$

$$L_{419} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,10 \end{bmatrix} \ L_{420} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,12 \end{bmatrix} \ L_{421} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,13 \end{bmatrix} \ L_{422} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,14 \end{bmatrix} \ L_{424} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,15 \end{bmatrix} \ L_{425} = egin{bmatrix} 1,0,0,1 \ 0,1,0,8 \ 0,0,1,15 \end{bmatrix} \ L_{426} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,0 \end{bmatrix} \ L_{427} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,2 \end{bmatrix} \ L_{429} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,3 \end{bmatrix} \ L_{430} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,5 \ 1,0,0,1 \ 0,1,0,9 \ 0,0,1,5 \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,5 \ 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{432} = egin{bmatrix} 1,0,0,1 \ 0,1,0,9 \ 0,0,1,6$$

$$L_{433} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,9\\ 0,0,1,7 \end{bmatrix}$$

$$L_{434} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,9\\ 0,0,1,8 \end{bmatrix}$$

$$L_{435} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,9\\ 0,0,1,9 \end{bmatrix}$$

$$L_{436} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,9\\ 0,0,1,10 \end{bmatrix}$$

$$L_{437} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,9\\ 0,0,1,11 \end{bmatrix}$$

$$L_{438} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,9\\ 0,0,1,12 \end{bmatrix}$$

$$L_{439} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,9\\ 0,0,1,13 \end{bmatrix}$$

$$L_{440} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,9\\ 0,0,1,14 \end{bmatrix}$$

$$L_{441} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,9\\ 0,0,1,14 \end{bmatrix}$$

$$L_{442} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,9\\ 0,0,1,15 \end{bmatrix}$$

$$L_{442} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,9\\ 0,0,1,15 \end{bmatrix}$$

$$L_{443} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,10\\ 0,0,1,0 \end{bmatrix}$$

$$L_{444} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,10\\ 0,0,1,2 \end{bmatrix}$$

$$L_{445} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,10\\ 0,0,1,2 \end{bmatrix}$$

$$L_{446} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,10\\ 0,0,1,3 \end{bmatrix}$$

$$L_{447} = egin{bmatrix} 1,0,0,1 \ 0,1,0,10 \ 0,0,1,4 \ \end{bmatrix} \ L_{448} = egin{bmatrix} 1,0,0,1 \ 0,0,1,5 \ \end{bmatrix} \ L_{449} = egin{bmatrix} 1,0,0,1 \ 0,0,1,6 \ \end{bmatrix} \ L_{450} = egin{bmatrix} 1,0,0,1 \ 0,0,1,7 \ \end{bmatrix} \ L_{451} = egin{bmatrix} 1,0,0,1 \ 0,0,1,9 \ \end{bmatrix} \ L_{452} = egin{bmatrix} 1,0,0,1 \ 0,0,1,0,10 \ 0,0,1,10 \ \end{bmatrix} \ L_{453} = egin{bmatrix} 1,0,0,1 \ 0,0,1,10 \ 0,0,1,11 \ \end{bmatrix} \ L_{454} = egin{bmatrix} 1,0,0,1 \ 0,0,1,11 \ \end{bmatrix} \ L_{455} = egin{bmatrix} 1,0,0,1 \ 0,0,1,11 \ \end{bmatrix} \ L_{456} = egin{bmatrix} 1,0,0,1 \ 0,0,1,13 \ \end{bmatrix} \ L_{458} = egin{bmatrix} 1,0,0,1 \ 0,0,1,13 \ \end{bmatrix} \ L_{459} = egin{bmatrix} 1,0,0,1 \ 0,0,0,1 \ \end{bmatrix} \ L_{460} = egin{bmatrix} 1,0,0,1 \ 0,0,0,1 \ \end{bmatrix} \ L_{400} = egin{bmatrix} 1,0,0,1 \ 0,0,1,0 \ \end{bmatrix} \ L_{400} = egin{bmatrix} 1,0,0,1 \ 0,0,1,0 \ \end{bmatrix} \ L_{400} = egin{bmatrix} 1,0,0,1 \ 0,0,1,0 \ \end{bmatrix} \ L_{400} = egin{bmatrix} 1,0,0,1 \ 0,0,1,0 \ \end{bmatrix} \ L_{400} = egin{bmatrix} 1,0,0,1 \ 0,0,1,0 \ \end{bmatrix} \ L_{400} = egin{bmatrix} 1,0,0,1 \ 0,0,1,0 \ \end{bmatrix} \ L_{400} = egin{bmatrix} 1,0,0,1 \ 0,0,1,0 \ \end{bmatrix} \ L_{400} = egin{bmatrix} 1,0,0,1 \ 0,0,1,0 \ \end{bmatrix} \ L_{400} = egin{bmatrix} 1,0,0,1 \ 0,0,1,0$$

$$L_{461} = egin{bmatrix} 1,0,0,1 \ 0,1,0,11 \ 0,0,1,1 \ \end{bmatrix} \ L_{462} = egin{bmatrix} 1,0,0,1 \ 0,0,1,2 \ \end{bmatrix} \ L_{463} = egin{bmatrix} 1,0,0,1 \ 0,0,1,3 \ \end{bmatrix} \ L_{464} = egin{bmatrix} 1,0,0,1 \ 0,0,1,4 \ \end{bmatrix} \ L_{465} = egin{bmatrix} 1,0,0,1 \ 0,0,1,5 \ \end{bmatrix} \ L_{466} = egin{bmatrix} 1,0,0,1 \ 0,0,1,5 \ \end{bmatrix} \ L_{467} = egin{bmatrix} 1,0,0,1 \ 0,0,1,7 \ \end{bmatrix} \ L_{468} = egin{bmatrix} 1,0,0,1 \ 0,0,1,0,11 \ 0,0,1,0,11 \ 0,0,1,0,11 \ 0,0,1,10 \ \end{bmatrix} \ L_{470} = egin{bmatrix} 1,0,0,1 \ 0,0,1,11 \ 0,0,1,11 \ 0,0,1,11 \ 0,0,1,11 \ 0,0,1,11 \ 0,0,1,12 \ \end{bmatrix} \ L_{472} = egin{bmatrix} 1,0,0,1 \ 0,1,0,11 \ 0,0,1,12 \ \end{bmatrix} \ L_{473} = egin{bmatrix} 1,0,0,1 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{474} = egin{bmatrix} 1,0,0,1 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{474} = egin{bmatrix} 1,0,0,1 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{474} = egin{bmatrix} 1,0,0,1 \ L_{474} \ \end{bmatrix} \ L_{474} = egin{bmatrix} 1,0,0,1 \ L_{474} \ \end{bmatrix} \ L_{474} = egin{bmatrix} 1,0,0,1 \ L_{474} \ \end{bmatrix} \ L_{474} = egin{bmatrix} 1,0,0,1 \ L_{474} \ \end{bmatrix} \ L_{474} = egin{bmatrix} 1,0,0,1 \ L_{474} \ \end{bmatrix} \ L_{474}$$

$$L_{475} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,11\\ 0,0,1,15 \end{bmatrix} \ L_{476} = \begin{bmatrix} 1,0,0,1\\ 1,0,1,0\\ 0,0,0,1 \end{bmatrix} \ L_{477} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,12\\ 0,0,1,0 \end{bmatrix} \ L_{478} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,12\\ 0,0,1,1 \end{bmatrix} \ L_{480} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,12\\ 0,0,1,2 \end{bmatrix} \ L_{481} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,12\\ 0,0,1,3 \end{bmatrix} \ L_{482} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,12\\ 0,0,1,4 \end{bmatrix} \ L_{483} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,12\\ 0,0,1,5 \end{bmatrix} \ L_{484} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,12\\ 0,0,1,6 \end{bmatrix} \ L_{485} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,12\\ 0,0,1,7 \end{bmatrix} \ L_{486} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,12\\ 0,0,1,8\\ 1,0,0,1\\ 0,1,0,12\\ 0,0,1,9 \end{bmatrix} \ L_{487} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,12\\ 0,0,1,0,12\\ 0,0,1,10 \end{bmatrix} \ L_{488} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,12\\ 0,0,1,0,12\\ 0,0,1,0,12\\ 0,0,1,10 \end{bmatrix} \ L_{488} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,12\\ 0,0,1,0,12\\ 0,0,1,10 \end{bmatrix} \ L_{488} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,12\\ 0,0,1,10 \end{bmatrix} \ L_{489} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,12\\ 0,0,1,10 \end{bmatrix} \ L_{489} = \begin{bmatrix} 1,0,0,1\\ 0,1,0,12\\ 0,0,1,11 \end{bmatrix} \$$

$$L_{489} = egin{bmatrix} 1,0,0,1 \ 0,1,0,12 \ 0,0,1,12 \end{bmatrix} \ L_{490} = egin{bmatrix} 1,0,0,1 \ 0,1,0,12 \ 0,0,1,13 \end{bmatrix} \ L_{491} = egin{bmatrix} 1,0,0,1 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{492} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,0 \end{bmatrix} \ L_{493} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,0 \end{bmatrix} \ L_{494} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,2 \end{bmatrix} \ L_{495} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,2 \end{bmatrix} \ L_{496} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,3 \end{bmatrix} \ L_{499} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,5 \end{bmatrix} \ L_{500} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,6 \end{bmatrix} \ L_{501} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,7 \end{bmatrix} \ L_{502} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{502} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{502} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{502} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{503} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{504} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{505} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{506} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{507} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{509} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{509} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{509} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{509} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{509} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{509} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{509} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{509} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{509} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{509} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{509} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{509} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{509} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{509} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{509} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,8 \end{bmatrix} \ L_{509} =$$

$$L_{503} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,9 \ \end{bmatrix} \ L_{504} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,10 \ \end{bmatrix} \ L_{505} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,12 \ \end{bmatrix} \ L_{506} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,12 \ \end{bmatrix} \ L_{507} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{508} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{509} = egin{bmatrix} 1,0,0,1 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{510} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,0 \ \end{bmatrix} \ L_{511} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{512} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{513} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,3 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,3 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{516} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix}$$

$$L_{517} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,6 \ \end{bmatrix} \ L_{518} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,7 \ \end{bmatrix} \ L_{519} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,9 \ \end{bmatrix} \ L_{520} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,10 \ \end{bmatrix} \ L_{521} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,11 \ \end{bmatrix} \ L_{522} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,13 \ \end{bmatrix} \ L_{523} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,13 \ \end{bmatrix} \ L_{524} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,13 \ \end{bmatrix} \ L_{525} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,15 \ \end{bmatrix} \ L_{526} = egin{bmatrix} 1,0,0,1 \ 0,1,0,14 \ 0,0,1,15 \ \end{bmatrix} \ L_{529} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,0 \ \end{bmatrix} \ L_{529} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{530} = egin{bmatrix} 1,0,0,1 \ 0,1,0,15 \ 0,1,0,15 \$$

$$L_{545} = egin{bmatrix} 1,1,0,0 \ 0,0,1,0 \ 0,0,0,1 \ 1,0,0,2 \ 0,1,0,0 \ 0,0,1,0 \ \end{bmatrix} \ L_{546} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,2 \ \end{bmatrix} \ L_{547} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,2 \ \end{bmatrix} \ L_{548} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,3 \ \end{bmatrix} \ L_{550} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{551} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{552} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,6 \ \end{bmatrix} \ L_{553} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,7 \ \end{bmatrix} \ L_{554} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,9 \ \end{bmatrix} \ L_{556} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,10 \ \end{bmatrix} \ L_{557} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,10 \ \end{bmatrix} \ L_{558} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,11 \ \end{bmatrix} \ L_{558} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{558} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{558} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{558} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{558} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{558} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{558} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{558} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{558} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{558} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{558} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{558} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{558} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{559} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{559} = egin{bmatrix} 1,0,0,2 \ 0,0,1,12 \ \end{bmatrix} \ L_{559} = egin{bmatrix} 1,0,0,2 \ 0,0,1,12 \ \end{bmatrix} \ L_{559} = egin{bmatrix} 1,0,0,2 \ 0,0,1,12 \ \end{bmatrix} \ L_{559} = egin{bmatrix} 1,0,0,2 \ 0,0,1,12 \ \end{bmatrix} \ L_{559} = egin{bmatrix} 1,0,0,2 \ 0,0,0,1,12 \ \end{bmatrix} \ L_{559} = egin{bmatrix} 1,0,0,2 \ 0,0,0,1,12 \ \end{bmatrix} \ L_{559} = egin{bmatrix} 1,0,0,2 \ 0,0,1,12 \ \end{bmatrix} \ L_{559} = egin{bmatrix} 1,0,0,2 \ 0,0,1,12 \ \end{bmatrix} \ L_{559} = egin{bmatrix} 1,0,0,2 \ 0,0,1,12 \ \end{bmatrix} \ L_{559} =$$

$$L_{559} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,13 \end{bmatrix} \ L_{560} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,14 \end{bmatrix} \ L_{561} = egin{bmatrix} 1,0,0,2 \ 0,1,0,0 \ 0,0,1,15 \end{bmatrix} \ L_{562} = egin{bmatrix} 1,0,0,2 \ 0,1,0,1 \ 0,0,1,0 \end{bmatrix} \ L_{563} = egin{bmatrix} 1,0,0,2 \ 0,1,0,1 \ 0,0,1,1 \end{bmatrix} \ L_{564} = egin{bmatrix} 1,0,0,2 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{565} = egin{bmatrix} 1,0,0,2 \ 0,1,0,1 \ 0,0,1,3 \end{bmatrix} \ L_{566} = egin{bmatrix} 1,0,0,2 \ 0,1,0,1 \ 0,0,1,4 \end{bmatrix} \ L_{569} = egin{bmatrix} 1,0,0,2 \ 0,1,0,1 \ 0,0,1,6 \ 1,0,0,2 \ 0,1,0,1 \ 0,0,1,6 \end{bmatrix} \ L_{570} = egin{bmatrix} 1,0,0,2 \ 0,1,0,1 \ 0,0,1,7 \ 0,0,1,7 \end{bmatrix} \ L_{572} = egin{bmatrix} 1,0,0,2 \ 0,1,0,1 \ 0,0,1,8 \ 1,0,0,2 \ 0,1,0,1 \ 0,0,1,9 \end{bmatrix} \ L_{572} = egin{bmatrix} 1,0,0,2 \ 0,1,0,1 \ 0,0,1,9 \ 0,0,1,9 \end{bmatrix} \ L_{572} = egin{bmatrix} 1,0,0,2 \ 0,1,0,1 \ 0,0,1,9 \ 0,0,1,9 \ 0,0,1,9 \ 0,0,1,9 \end{bmatrix}$$

$$L_{573} = egin{bmatrix} 1,0,0,2 \ 0,1,0,1 \ 0,0,1,10 \end{bmatrix} \ L_{574} = egin{bmatrix} 1,0,0,2 \ 0,1,0,1 \ 0,0,1,11 \end{bmatrix} \ L_{575} = egin{bmatrix} 1,0,0,2 \ 0,1,0,1 \ 0,0,1,13 \end{bmatrix} \ L_{576} = egin{bmatrix} 1,0,0,2 \ 0,1,0,1 \ 0,0,1,14 \end{bmatrix} \ L_{577} = egin{bmatrix} 1,0,0,2 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{579} = egin{bmatrix} 1,0,0,2 \ 0,1,0,1 \ 0,0,0,1 \end{bmatrix} \ L_{580} = egin{bmatrix} 1,0,0,2 \ 0,1,0,2 \ 0,0,1,0 \end{bmatrix} \ L_{581} = egin{bmatrix} 1,0,0,2 \ 0,0,1,0 \end{bmatrix} \ L_{582} = egin{bmatrix} 0,1,0,2 \ 0,0,1,2 \end{bmatrix} \ L_{583} = egin{bmatrix} 1,0,0,2 \ 0,0,1,3 \ 1,0,0,2 \ 0,0,1,3 \end{bmatrix} \ L_{584} = egin{bmatrix} 1,0,0,2 \ 0,0,1,4 \ 1,0,0,2 \ 0,0,1,5 \ 1,0,0,2 \ 0,0,1,5 \end{bmatrix} \ L_{586} = egin{bmatrix} 0,1,0,2 \ 0,0,1,6$$

$$L_{587} = \begin{bmatrix} 1,0,0,2\\0,1,0,2\\0,0,1,7 \end{bmatrix} \\ L_{588} = \begin{bmatrix} 1,0,0,2\\0,0,1,8 \end{bmatrix} \\ L_{589} = \begin{bmatrix} 1,0,0,2\\0,0,1,9 \end{bmatrix} \\ L_{590} = \begin{bmatrix} 1,0,0,2\\0,1,0,2\\0,0,1,10 \end{bmatrix} \\ L_{591} = \begin{bmatrix} 1,0,0,2\\0,0,1,11\\1,0,0,2\\0,0,1,11 \end{bmatrix} \\ L_{592} = \begin{bmatrix} 1,0,0,2\\0,0,1,12\\0,0,1,13 \end{bmatrix} \\ L_{593} = \begin{bmatrix} 1,0,0,2\\0,0,1,13\\1,0,0,2\\0,0,1,13 \end{bmatrix} \\ L_{594} = \begin{bmatrix} 1,0,0,2\\0,0,1,14\\1,0,0,2\\0,0,1,14 \end{bmatrix} \\ L_{595} = \begin{bmatrix} 1,0,0,2\\0,0,1,15\\1,0,2,0\\0,0,1,15 \end{bmatrix} \\ L_{596} = \begin{bmatrix} 1,0,0,2\\0,1,0,2\\0,0,1,15 \end{bmatrix} \\ L_{597} = \begin{bmatrix} 1,0,0,2\\0,1,0,2\\0,0,1,0,2\\0,0,1,0 \end{bmatrix} \\ L_{598} = \begin{bmatrix} 1,0,0,2\\0,1,0,3\\0,0,1,2\\1,0,0,2\\0,1,0,3\\0,0,1,2 \end{bmatrix} \\ L_{599} = \begin{bmatrix} 1,0,0,2\\0,1,0,3\\0,0,1,2\\1,0,0,2\\0,1,0,3\\0,0,1,3 \end{bmatrix} \\ L_{600} = \begin{bmatrix} 1,0,0,2\\0,1,0,3\\0,0,1,3\\0,0,1,3 \end{bmatrix}$$

$$L_{601} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,1,4 \end{bmatrix} \ L_{602} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,1,5 \end{bmatrix} \ L_{603} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,1,7 \end{bmatrix} \ L_{604} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,1,9 \end{bmatrix} \ L_{605} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,1,10 \end{bmatrix} \ L_{607} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,1,11 \end{bmatrix} \ L_{608} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,1,11 \end{bmatrix} \ L_{609} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,1,13 \end{bmatrix} \ L_{611} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,1,14 \end{bmatrix} \ L_{612} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,1,15 \end{bmatrix} \ L_{613} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,1,15 \end{bmatrix} \ L_{614} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,1,15 \end{bmatrix} \ L_{614} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,0,1 \end{bmatrix} \ L_{614} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,0,1 \end{bmatrix} \ L_{614} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,0,1 \end{bmatrix} \ L_{614} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,0,1 \end{bmatrix} \ L_{614} = egin{bmatrix} 1,0,0,2 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{614} = egin{bmatrix} 1,0,0,2 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{614} = egin{bmatrix} 1,0,0,2 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{614} = egin{bmatrix} 1,0,0,2 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{614} = egin{bmatrix} 1,0,0,2 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{614} = egin{bmatrix} 1,0,0,2 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{615} = egin{bmatrix} 1,0,0,2 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{616} = egin{bmatrix} 1,0,0,2 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{616} = egin{bmatrix} 1,0,0,2 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{616} = egin{bmatrix} 1,0,0,2 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{616} = egin{bmatrix} 1,0,0,2 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{616} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,1,15 \ 0,0,0,1 \end{bmatrix} \ L_{616} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,1,15 \ 0,0,0,1 \end{bmatrix} \ L_{617} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,1,15 \ 0,0,0,1 \end{bmatrix} \ L_{618} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,1,15 \ 0,0,0,1 \end{bmatrix} \ L_{619} = egin{bmatrix} 1,0,0,2 \ 0,1,0,3 \ 0,0,1,15 \ 0,0,0,1 \end{bmatrix} \ L_{619} = egin{bmatrix} 1,0,0,2 \ 0,0,0,1 \ 0,0,0,1 \ 0,0,0,1 \ 0,0,0,1 \ 0,0,0,1 \ 0,0,0,1 \ 0,0,0,1 \ 0,0,0,1 \ 0,0,0,1 \ 0,0,0,1 \ 0,0,0,1 \ 0,0,0,1 \ 0,$$

$$L_{615} = \begin{bmatrix} 1,0,0,2\\0,1,0,4\\0,0,1,1 \end{bmatrix}$$

$$L_{616} = \begin{bmatrix} 1,0,0,2\\0,1,0,4\\0,0,1,2 \end{bmatrix}$$

$$L_{617} = \begin{bmatrix} 1,0,0,2\\0,1,0,4\\0,0,1,3 \end{bmatrix}$$

$$L_{618} = \begin{bmatrix} 1,0,0,2\\0,1,0,4\\0,0,1,4 \end{bmatrix}$$

$$L_{619} = \begin{bmatrix} 1,0,0,2\\0,1,0,4\\0,0,1,5 \end{bmatrix}$$

$$L_{620} = \begin{bmatrix} 1,0,0,2\\0,1,0,4\\0,0,1,6 \end{bmatrix}$$

$$L_{621} = \begin{bmatrix} 1,0,0,2\\0,1,0,4\\0,0,1,7 \end{bmatrix}$$

$$L_{622} = \begin{bmatrix} 1,0,0,2\\0,1,0,4\\0,0,1,8 \end{bmatrix}$$

$$L_{623} = \begin{bmatrix} 1,0,0,2\\0,1,0,4\\0,0,1,10 \end{bmatrix}$$

$$L_{624} = \begin{bmatrix} 1,0,0,2\\0,1,0,4\\0,0,1,10 \end{bmatrix}$$

$$L_{625} = \begin{bmatrix} 1,0,0,2\\0,1,0,4\\0,0,1,11 \end{bmatrix}$$

$$L_{626} = \begin{bmatrix} 1,0,0,2\\0,1,0,4\\0,0,1,11 \end{bmatrix}$$

$$L_{627} = \begin{bmatrix} 1,0,0,2\\0,1,0,4\\0,0,1,13 \end{bmatrix}$$

$$L_{628} = \begin{bmatrix} 0,1,0,4\\0,0,1,13 \end{bmatrix}$$

$$L_{628} = \begin{bmatrix} 0,1,0,4\\0,0,1,13 \end{bmatrix}$$

$$L_{629} = egin{bmatrix} 1,0,0,2 \ 0,1,0,4 \ 0,0,1,15 \end{bmatrix} \ L_{630} = egin{bmatrix} 1,0,2,0 \ 0,1,4,0 \ 0,0,0,1 \end{bmatrix} \ L_{631} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,2 \end{bmatrix} \ L_{632} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,2 \end{bmatrix} \ L_{633} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{634} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,4 \end{bmatrix} \ L_{636} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,5 \end{bmatrix} \ L_{637} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,6 \end{bmatrix} \ L_{639} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,8 \end{bmatrix} \ L_{640} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,9 \end{bmatrix} \ L_{641} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,9 \end{bmatrix} \ L_{642} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,10 \end{bmatrix} \ L_{642} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{642} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{642} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{642} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{642} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{642} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{642} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{642} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{642} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{642} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{642} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{642} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{642} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{642} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{642} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{642} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{642} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{643} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{642} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{643} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{644} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{645} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{646} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{647} = egin{bmatrix}$$

$$L_{643} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,12 \end{bmatrix} \ L_{644} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,13 \end{bmatrix} \ L_{645} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,15 \end{bmatrix} \ L_{646} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,15 \end{bmatrix} \ L_{647} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,0 \end{bmatrix} \ L_{648} = egin{bmatrix} 0,1,0,6 \ 0,0,1,0 \end{bmatrix} \ L_{650} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,2 \end{bmatrix} \ L_{651} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,3 \end{bmatrix} \ L_{652} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,4 \end{bmatrix} \ L_{653} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,5 \end{bmatrix} \ L_{654} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,6 \end{bmatrix} \ L_{655} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,6 \end{bmatrix} \ L_{656} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,7 \end{bmatrix} \ L_{656} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,6 \end{bmatrix} \ L_{656} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,6 \end{bmatrix} \ L_{656} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,6 \end{bmatrix} \ L_{656} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,6 \end{bmatrix} \ L_{656} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,8 \end{bmatrix} \ L_{656} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,8 \end{bmatrix} \ L_{656} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,8 \end{bmatrix} \ L_{656} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,8 \end{bmatrix} \ L_{656} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,8 \end{bmatrix} \ L_{656} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,8 \end{bmatrix} \ L_{656} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,8 \end{bmatrix} \ L_{656} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,8 \end{bmatrix} \ L_{656} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,8 \end{bmatrix} \ L_{656} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,8 \end{bmatrix} \ L_{656} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,8 \end{bmatrix} \ L_{656} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,6 \ 0,0,1,6 \ 0,0,1,8 \end{bmatrix} \ L_{656} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,6 \ 0,0,1,6 \ 0,0,1,8 \end{bmatrix} \ L_{656} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,6 \ 0,0,1,8 \ 0,0,1$$

$$L_{657} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,10 \end{bmatrix} \ L_{658} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,11 \end{bmatrix} \ L_{669} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,12 \end{bmatrix} \ L_{664} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,14 \end{bmatrix} \ L_{665} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,15 \end{bmatrix} \ L_{666} = egin{bmatrix} 1,0,0,2 \ 0,1,0,6 \ 0,0,1,15 \end{bmatrix} \ L_{667} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,0 \end{bmatrix} \ L_{668} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,2 \end{bmatrix} \ L_{669} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,3 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,4 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,4 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,4 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{670} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7$$

$$L_{671} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,6 \ \end{bmatrix} \ L_{672} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,8 \ \end{bmatrix} \ L_{673} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{674} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,10 \ \end{bmatrix} \ L_{675} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,11 \ \end{bmatrix} \ L_{676} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{678} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,13 \ \end{bmatrix} \ L_{680} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,14 \ \end{bmatrix} \ L_{681} = egin{bmatrix} 1,0,0,2 \ 0,1,0,7 \ 0,0,1,15 \ \end{bmatrix} \ L_{682} = egin{bmatrix} 1,0,0,2 \ 0,1,0,8 \ 0,0,1,0 \ \end{bmatrix} \ L_{683} = egin{bmatrix} 1,0,0,2 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,0,2 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,0,2 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,0,2 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,0,2 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,0,2 \ 0,1,0,3 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,0,2 \ 0,1,0,3 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,0,2 \ 0,1,0,3 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,0,2 \ 0,1,0,3 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,0,2 \ 0,1,0,3 \ 0,0,1,2 \ \end{bmatrix} \ L_{684} = egin{bmatrix} 0,1,0,0,2 \ 0,1,0,3 \ 0,0,1,2 \ \end{bmatrix} \ L_{685} = egin{bmatrix} 0,1,0,0,2 \ 0,1,0,3 \ 0,0,1,2 \ \end{bmatrix} \ L_{686} = egin{bmatrix} 0,1,0,0$$

$$L_{685} = \begin{bmatrix} 1,0,0,2\\0,1,0,8\\0,0,1,3 \end{bmatrix} \\ L_{686} = \begin{bmatrix} 1,0,0,2\\0,1,0,8\\0,0,1,4 \end{bmatrix} \\ L_{687} = \begin{bmatrix} 1,0,0,2\\0,1,0,8\\0,0,1,5 \end{bmatrix} \\ L_{688} = \begin{bmatrix} 1,0,0,2\\0,1,0,8\\0,0,1,6 \end{bmatrix} \\ L_{689} = \begin{bmatrix} 1,0,0,2\\0,1,0,8\\0,0,1,7 \end{bmatrix} \\ L_{690} = \begin{bmatrix} 1,0,0,2\\0,1,0,8\\0,0,1,9 \end{bmatrix} \\ L_{691} = \begin{bmatrix} 1,0,0,2\\0,1,0,8\\0,0,1,10 \end{bmatrix} \\ L_{692} = \begin{bmatrix} 1,0,0,2\\0,1,0,8\\0,0,1,10 \end{bmatrix} \\ L_{693} = \begin{bmatrix} 1,0,0,2\\0,1,0,8\\0,0,1,11 \end{bmatrix} \\ L_{694} = \begin{bmatrix} 1,0,0,2\\0,1,0,8\\0,0,1,12 \end{bmatrix} \\ L_{695} = \begin{bmatrix} 1,0,0,2\\0,1,0,8\\0,0,1,13 \end{bmatrix} \\ L_{696} = \begin{bmatrix} 1,0,0,2\\0,1,0,8\\0,0,1,14 \end{bmatrix} \\ L_{697} = \begin{bmatrix} 1,0,0,2\\0,1,0,8\\0,0,1,14 \end{bmatrix} \\ L_{698} = \begin{bmatrix} 1,0,0,2\\0,1,0,8\\0,0,1,15 \end{bmatrix} \\$$

$$L_{699} = \begin{bmatrix} 1,0,0,2\\ 0,1,0,9\\ 0,0,1,0 \end{bmatrix}$$

$$L_{700} = \begin{bmatrix} 1,0,0,2\\ 0,1,0,9\\ 0,0,1,1 \end{bmatrix}$$

$$L_{701} = \begin{bmatrix} 1,0,0,2\\ 0,1,0,9\\ 0,0,1,2 \end{bmatrix}$$

$$L_{702} = \begin{bmatrix} 1,0,0,2\\ 0,1,0,9\\ 0,0,1,3 \end{bmatrix}$$

$$L_{703} = \begin{bmatrix} 1,0,0,2\\ 0,1,0,9\\ 0,0,1,4 \end{bmatrix}$$

$$L_{704} = \begin{bmatrix} 1,0,0,2\\ 0,1,0,9\\ 0,0,1,5 \end{bmatrix}$$

$$L_{705} = \begin{bmatrix} 1,0,0,2\\ 0,1,0,9\\ 0,0,1,5 \end{bmatrix}$$

$$L_{706} = \begin{bmatrix} 1,0,0,2\\ 0,1,0,9\\ 0,0,1,7 \end{bmatrix}$$

$$L_{707} = \begin{bmatrix} 1,0,0,2\\ 0,1,0,9\\ 0,0,1,8 \end{bmatrix}$$

$$L_{709} = \begin{bmatrix} 1,0,0,2\\ 0,1,0,9\\ 0,0,1,10 \end{bmatrix}$$

$$L_{710} = \begin{bmatrix} 1,0,0,2\\ 0,1,0,9\\ 0,0,1,10 \end{bmatrix}$$

$$L_{711} = \begin{bmatrix} 1,0,0,2\\ 0,1,0,9\\ 0,0,1,11 \end{bmatrix}$$

$$L_{712} = \begin{bmatrix} 1,0,0,2\\ 0,1,0,9\\ 0,0,1,12 \end{bmatrix}$$

$$L_{712} = \begin{bmatrix} 1,0,0,2\\ 0,1,0,9\\ 0,0,1,13 \end{bmatrix}$$

$$L_{713} = \begin{bmatrix} 1,0,0,2\\0,1,0,9\\0,0,1,14 \end{bmatrix} \\ L_{714} = \begin{bmatrix} 1,0,0,2\\0,1,0,9\\0,0,1,15 \end{bmatrix} \\ L_{715} = \begin{bmatrix} 1,0,2,0\\0,1,9,0\\0,0,0,1 \end{bmatrix} \\ L_{716} = \begin{bmatrix} 1,0,0,2\\0,1,0,10\\0,0,1,0 \end{bmatrix} \\ L_{717} = \begin{bmatrix} 1,0,0,2\\0,1,0,10\\0,0,1,1 \end{bmatrix} \\ L_{718} = \begin{bmatrix} 1,0,0,2\\0,1,0,10\\0,0,1,2 \end{bmatrix} \\ L_{719} = \begin{bmatrix} 1,0,0,2\\0,1,0,10\\0,0,1,3 \end{bmatrix} \\ L_{720} = \begin{bmatrix} 1,0,0,2\\0,1,0,10\\0,0,1,4 \end{bmatrix} \\ L_{721} = \begin{bmatrix} 1,0,0,2\\0,1,0,10\\0,0,1,5 \end{bmatrix} \\ L_{722} = \begin{bmatrix} 0,1,0,10\\0,0,1,5\\1,0,0,2\\0,1,0,10\\0,0,1,7 \end{bmatrix} \\ L_{723} = \begin{bmatrix} 1,0,0,2\\0,1,0,10\\0,0,1,7 \end{bmatrix} \\ L_{724} = \begin{bmatrix} 0,1,0,10\\0,0,1,7\\1,0,0,2\\0,1,0,10\\0,0,1,9 \end{bmatrix} \\ L_{725} = \begin{bmatrix} 0,1,0,10\\0,0,1,9\\1,0,0,2\\0,1,0,10\\0,0,1,9 \end{bmatrix} \\ L_{726} = \begin{bmatrix} 0,1,0,10\\0,0,1,0\\1,0,0,2\\0,1,0,10\\0,0,1,10 \end{bmatrix}$$

$$L_{727} = \begin{bmatrix} 1,0,0,2\\0,1,0,10\\0,0,1,11 \end{bmatrix}$$

$$L_{728} = \begin{bmatrix} 0,1,0,10\\0,0,1,12 \end{bmatrix}$$

$$L_{729} = \begin{bmatrix} 1,0,0,2\\0,1,0,10\\0,0,1,13 \end{bmatrix}$$

$$L_{730} = \begin{bmatrix} 1,0,0,2\\0,1,0,10\\0,0,1,14 \end{bmatrix}$$

$$L_{731} = \begin{bmatrix} 1,0,0,2\\0,1,0,10\\0,0,1,14 \end{bmatrix}$$

$$L_{732} = \begin{bmatrix} 0,1,0,10\\0,0,1,15 \end{bmatrix}$$

$$L_{733} = \begin{bmatrix} 1,0,0,2\\0,1,0,11\\0,0,0,1,0 \end{bmatrix}$$

$$L_{734} = \begin{bmatrix} 1,0,0,2\\0,1,0,11\\0,0,1,1 \end{bmatrix}$$

$$L_{735} = \begin{bmatrix} 1,0,0,2\\0,1,0,11\\0,0,1,2 \end{bmatrix}$$

$$L_{736} = \begin{bmatrix} 1,0,0,2\\0,1,0,11\\0,0,1,3 \end{bmatrix}$$

$$L_{737} = \begin{bmatrix} 1,0,0,2\\0,1,0,11\\0,0,1,3 \end{bmatrix}$$

$$L_{739} = \begin{bmatrix} 1,0,0,2\\0,1,0,11\\0,0,1,5 \end{bmatrix}$$

$$L_{739} = \begin{bmatrix} 1,0,0,2\\0,1,0,11\\0,0,1,5 \end{bmatrix}$$

$$L_{740} = \begin{bmatrix} 1,0,0,2\\0,1,0,11\\0,0,1,6 \end{bmatrix}$$

$$L_{740} = \begin{bmatrix} 1,0,0,2\\0,1,0,11\\0,0,1,7 \end{bmatrix}$$

$$L_{741} = \begin{bmatrix} 1,0,0,2\\0,1,0,11\\0,0,1,8\\1,0,0,2\\0,1,0,11\\0,0,1,9 \end{bmatrix}$$

$$L_{742} = \begin{bmatrix} 1,0,0,2\\0,1,0,11\\0,0,1,10\\1,0,0,2\\0,1,0,11\\0,0,1,11 \end{bmatrix}$$

$$L_{744} = \begin{bmatrix} 1,0,0,2\\0,1,0,11\\0,0,1,11\\1,0,0,2\\0,1,0,11\\0,0,1,13 \end{bmatrix}$$

$$L_{745} = \begin{bmatrix} 1,0,0,2\\0,1,0,11\\0,0,1,13\\1,0,0,2\\0,1,0,11\\0,0,1,14\\1,0,0,2\\0,1,0,11\\0,0,1,15 \end{bmatrix}$$

$$L_{749} = \begin{bmatrix} 1,0,0,2\\0,1,0,11\\0,0,1,15\\1,0,0,2\\0,1,0,12\\0,0,1,0 \end{bmatrix}$$

$$L_{750} = \begin{bmatrix} 1,0,2,0\\0,1,0,12\\0,0,1,0\\1\\0,0,1,1\\1\\1,0,0,2\\0,1,0,12\\0,0,1,1\\1\\1,0,0,2\\0,1,0,12\\0,0,1,3\\1\\1,0,0,2\\0,1,0,12\\0,0,1,3\\1\\1,0,0,2\\0,1,0,12\\0,0,1,3\\1\\1,0,0,2\\0,1,0,12\\0,0,1,3\\1\\1,0,0,2\\0,1,0,12\\0,0,1,3\\1\\1,0,0,2\\0,1,0,12\\0,0,1,4\\1$$

$$L_{755} = \begin{bmatrix} 1,0,0,2\\0,1,0,12\\0,0,1,5\\1,0,0,2\\0,1,0,12\\0,0,1,6 \end{bmatrix}$$

$$L_{756} = \begin{bmatrix} 1,0,0,2\\0,1,0,12\\0,0,1,7\\1,0,0,2\\0,0,1,7 \end{bmatrix}$$

$$L_{758} = \begin{bmatrix} 1,0,0,2\\0,1,0,12\\0,0,1,8\\1,0,0,2\\0,1,0,12\\0,0,1,9 \end{bmatrix}$$

$$L_{760} = \begin{bmatrix} 1,0,0,2\\0,1,0,12\\0,0,1,10\\1,0,0,2\\0,1,0,12\\0,0,1,11\\1,0,0,2\\0,0,1,11 \end{bmatrix}$$

$$L_{761} = \begin{bmatrix} 1,0,0,2\\0,1,0,12\\0,0,1,11\\1,0,0,2\\0,0,1,12\\0,0,1,13\\1,0,0,2\\0,0,1,14 \end{bmatrix}$$

$$L_{765} = \begin{bmatrix} 1,0,0,2\\0,1,0,12\\0,0,1,14\\1,0,0,2\\0,0,1,15\\1,0,2,0\\0,0,1,15\\1,0,2,0\\0,0,0,1 \end{bmatrix}$$

$$L_{766} = \begin{bmatrix} 1,0,0,2\\0,1,0,12\\0,0,1,15\\1,0,2,0\\0,0,0,1\\1 \end{bmatrix}$$

$$L_{767} = \begin{bmatrix} 1,0,0,2\\0,1,0,12\\0,0,1,0,13\\0,0,1,0\\1,0,0,2\\0,1,0,13\\0,0,1,0\\1,0,0,2\\0,1,0,13\\0,0,1,1 \end{bmatrix}$$

$$L_{769} = \begin{bmatrix} 1,0,0,2\\0,1,0,13\\0,0,1,2 \end{bmatrix} \\ 1,0,0,2\\0,1,0,13\\0,0,1,3 \end{bmatrix} \\ L_{770} = \begin{bmatrix} 1,0,0,2\\0,1,0,13\\0,0,1,4 \end{bmatrix} \\ 1,0,0,2\\0,1,0,13\\0,0,1,5 \end{bmatrix} \\ L_{772} = \begin{bmatrix} 1,0,0,2\\0,1,0,13\\0,0,1,6 \end{bmatrix} \\ 1,0,0,2\\0,1,0,13\\0,0,1,7 \end{bmatrix} \\ L_{774} = \begin{bmatrix} 1,0,0,2\\0,1,0,13\\0,0,1,7 \end{bmatrix} \\ L_{775} = \begin{bmatrix} 1,0,0,2\\0,1,0,13\\0,0,1,8 \end{bmatrix} \\ 1,0,0,2\\0,1,0,13\\0,0,1,10 \end{bmatrix} \\ L_{777} = \begin{bmatrix} 1,0,0,2\\0,1,0,13\\0,0,1,10 \end{bmatrix} \\ L_{779} = \begin{bmatrix} 1,0,0,2\\0,1,0,13\\0,0,1,11 \end{bmatrix} \\ 1,0,0,2\\0,1,0,13\\0,0,1,12 \end{bmatrix} \\ L_{780} = \begin{bmatrix} 1,0,0,2\\0,1,0,13\\0,0,1,13 \end{bmatrix} \\ 1,0,0,2\\0,1,0,13\\0,0,1,14 \end{bmatrix} \\ L_{782} = \begin{bmatrix} 0,1,0,13\\0,0,1,14\\1,0,0,2\\0,1,0,13\\0,0,1,14 \end{bmatrix} \\ 1,0,0,2\\0,1,0,13\\0,0,1,15 \end{bmatrix}$$

$$L_{783} = \begin{bmatrix} 1,0,2,0\\0,1,13,0\\0,0,0,1 \end{bmatrix} \\ L_{784} = \begin{bmatrix} 1,0,0,2\\0,1,0,14\\0,0,1,0 \end{bmatrix} \\ L_{785} = \begin{bmatrix} 1,0,0,2\\0,1,0,14\\0,0,1,1 \end{bmatrix} \\ L_{786} = \begin{bmatrix} 1,0,0,2\\0,1,0,14\\0,0,1,2 \end{bmatrix} \\ L_{787} = \begin{bmatrix} 1,0,0,2\\0,1,0,14\\0,0,1,3 \end{bmatrix} \\ L_{789} = \begin{bmatrix} 1,0,0,2\\0,1,0,14\\0,0,1,4 \end{bmatrix} \\ L_{790} = \begin{bmatrix} 1,0,0,2\\0,1,0,14\\0,0,1,5 \end{bmatrix} \\ L_{791} = \begin{bmatrix} 1,0,0,2\\0,1,0,14\\0,0,1,6 \end{bmatrix} \\ L_{792} = \begin{bmatrix} 0,1,0,14\\0,0,1,7\\1,0,0,2\\0,1,0,14\\0,0,1,7 \end{bmatrix} \\ L_{793} = \begin{bmatrix} 1,0,0,2\\0,1,0,14\\0,0,1,9\\1,0,0,2\\0,1,0,14\\0,0,1,10 \end{bmatrix} \\ L_{795} = \begin{bmatrix} 1,0,0,2\\0,1,0,14\\0,0,1,10\\1,0,0,2\\0,1,0,14\\0,0,1,11 \end{bmatrix} \\ L_{796} = \begin{bmatrix} 0,1,0,14\\0,0,1,11\\1,0,0,2\\0,1,0,14\\0,0,1,12 \end{bmatrix}$$

$$L_{797} = \begin{bmatrix} 1,0,0,2\\0,1,0,14\\0,0,1,13 \end{bmatrix}$$

$$L_{798} = \begin{bmatrix} 1,0,0,2\\0,1,0,14\\0,0,1,14 \end{bmatrix}$$

$$L_{799} = \begin{bmatrix} 1,0,0,2\\0,1,0,14\\0,0,1,15 \end{bmatrix}$$

$$L_{800} = \begin{bmatrix} 1,0,2,0\\0,1,14,0\\0,0,0,1 \end{bmatrix}$$

$$L_{801} = \begin{bmatrix} 1,0,0,2\\0,1,0,15\\0,0,1,0 \end{bmatrix}$$

$$L_{802} = \begin{bmatrix} 1,0,0,2\\0,1,0,15\\0,0,1,1 \end{bmatrix}$$

$$L_{803} = \begin{bmatrix} 1,0,0,2\\0,1,0,15\\0,0,1,2 \end{bmatrix}$$

$$L_{804} = \begin{bmatrix} 1,0,0,2\\0,1,0,15\\0,0,1,3 \end{bmatrix}$$

$$L_{805} = \begin{bmatrix} 1,0,0,2\\0,1,0,15\\0,0,1,4 \end{bmatrix}$$

$$L_{806} = \begin{bmatrix} 1,0,0,2\\0,1,0,15\\0,0,1,5 \end{bmatrix}$$

$$L_{807} = \begin{bmatrix} 1,0,0,2\\0,1,0,15\\0,0,1,6\\1,0,0,2\\0,1,0,15\\0,0,1,6 \end{bmatrix}$$

$$L_{809} = \begin{bmatrix} 1,0,0,2\\0,1,0,15\\0,0,1,7\\1,0,0,2\\0,1,0,15\\0,0,1,7 \end{bmatrix}$$

$$L_{809} = \begin{bmatrix} 1,0,0,2\\0,1,0,15\\0,0,1,7\\1,0,0,2\\0,1,0,15\\0,0,1,9 \end{bmatrix}$$

$$L_{811} = egin{bmatrix} 1,0,0,2 \ 0,1,0,15 \ 0,0,1,10 \ \end{bmatrix} \ L_{812} = egin{bmatrix} 1,0,0,2 \ 0,1,0,15 \ 0,0,1,11 \ \end{bmatrix} \ L_{813} = egin{bmatrix} 1,0,0,2 \ 0,1,0,15 \ 0,0,1,13 \ \end{bmatrix} \ L_{814} = egin{bmatrix} 1,0,0,2 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{815} = egin{bmatrix} 1,0,0,2 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{816} = egin{bmatrix} 1,0,0,2 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{817} = egin{bmatrix} 1,0,2,0 \ 0,0,1,15 \ \end{bmatrix} \ L_{818} = egin{bmatrix} 1,0,0,3 \ 0,0,0,1 \ \end{bmatrix} \ L_{820} = egin{bmatrix} 1,0,0,3 \ 0,0,0,1 \ \end{bmatrix} \ L_{821} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,2 \ \end{bmatrix} \ L_{822} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,3 \ \end{bmatrix} \ L_{823} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,4 \ \end{bmatrix} \ L_{824} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{824} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{824} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{824} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{824} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{824} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{824} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{825} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{826} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{827} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{829} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{829} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{829} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{829} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{829} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{829} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{829} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{829} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{829} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{829} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{829} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{829} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{829} = egin{bmatrix} 1,0,0,3 \ 0,1,0,0 \ 0,0,1,5 \$$

$$L_{825} = \begin{bmatrix} 1,0,0,3\\0,1,0,0\\0,0,1,6 \end{bmatrix} \\ L_{826} = \begin{bmatrix} 1,0,0,3\\0,1,0,0\\0,0,1,7 \end{bmatrix} \\ L_{827} = \begin{bmatrix} 1,0,0,3\\0,1,0,0\\0,0,1,8 \end{bmatrix} \\ L_{828} = \begin{bmatrix} 1,0,0,3\\0,1,0,0\\0,0,1,9 \end{bmatrix} \\ L_{829} = \begin{bmatrix} 1,0,0,3\\0,1,0,0\\0,0,1,10 \end{bmatrix} \\ L_{830} = \begin{bmatrix} 1,0,0,3\\0,1,0,0\\0,0,1,11 \end{bmatrix} \\ L_{831} = \begin{bmatrix} 1,0,0,3\\0,1,0,0\\0,0,1,12 \end{bmatrix} \\ L_{832} = \begin{bmatrix} 1,0,0,3\\0,1,0,0\\0,0,1,13 \end{bmatrix} \\ L_{833} = \begin{bmatrix} 1,0,0,3\\0,1,0,0\\0,0,1,13 \end{bmatrix} \\ L_{834} = \begin{bmatrix} 1,0,0,3\\0,1,0,0\\0,0,1,14 \end{bmatrix} \\ L_{835} = \begin{bmatrix} 1,0,0,3\\0,1,0,0\\0,0,1,15 \end{bmatrix} \\ L_{836} = \begin{bmatrix} 1,0,0,3\\0,1,0,0\\0,0,0,1 \end{bmatrix} \\ L_{837} = \begin{bmatrix} 1,0,0,3\\0,1,0,1\\0,0,1,0,1\\0,0,1,1 \end{bmatrix} \\ L_{838} = \begin{bmatrix} 1,0,0,3\\0,1,0,1\\0,0,1,0,1\\0,0,1,2 \end{bmatrix}$$

$$L_{839} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,0,1,3 \end{bmatrix} \\ L_{840} = \begin{bmatrix} 1,0,0,3\\ 1,0,0,3\\ 0,1,0,1\\ 0,0,1,4 \end{bmatrix} \\ L_{841} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,0,1,5 \end{bmatrix} \\ L_{842} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,0,1,6 \end{bmatrix} \\ L_{843} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,0,1,7 \end{bmatrix} \\ L_{844} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,0,1,8 \end{bmatrix} \\ L_{845} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,0,1,10 \end{bmatrix} \\ L_{846} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,0,1,10 \end{bmatrix} \\ L_{849} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,0,1,11 \end{bmatrix} \\ L_{849} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,0,1,12 \end{bmatrix} \\ L_{850} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,0,1,14 \end{bmatrix} \\ L_{851} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,0,1,15 \end{bmatrix} \\ L_{852} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,0,0,0,1 \end{bmatrix} \\ L_{853} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,0,0,0,1 \end{bmatrix} \\ L_{854} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,0,0,1,15 \end{bmatrix} \\ L_{855} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,0,0,0,1 \end{bmatrix} \\ L_{855} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,0,0,1 \end{bmatrix} \\ L_{855} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,0,0,1 \end{bmatrix} \\ L_{855} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,0,0,1 \end{bmatrix} \\ L_{855} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,0,1,0,1 \end{bmatrix} \\ L_{855} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,1\\ 0,1,0,1 \end{bmatrix}$$

$$L_{853} = \begin{bmatrix} 1,0,0,3\\0,1,0,2\\0,0,1,0 \end{bmatrix} \\ U_{854} = \begin{bmatrix} 1,0,0,3\\0,1,0,2\\0,0,1,1 \end{bmatrix} \\ U_{855} = \begin{bmatrix} 1,0,0,3\\0,1,0,2\\0,0,1,2 \end{bmatrix} \\ U_{856} = \begin{bmatrix} 1,0,0,3\\0,1,0,2\\0,0,1,3 \end{bmatrix} \\ U_{857} = \begin{bmatrix} 1,0,0,3\\0,1,0,2\\0,0,1,4 \end{bmatrix} \\ U_{858} = \begin{bmatrix} 1,0,0,3\\0,1,0,2\\0,0,1,5 \end{bmatrix} \\ U_{859} = \begin{bmatrix} 1,0,0,3\\0,1,0,2\\0,0,1,6 \end{bmatrix} \\ U_{860} = \begin{bmatrix} 1,0,0,3\\0,1,0,2\\0,0,1,7 \end{bmatrix} \\ U_{861} = \begin{bmatrix} 1,0,0,3\\0,1,0,2\\0,0,1,8 \end{bmatrix} \\ U_{862} = \begin{bmatrix} 1,0,0,3\\0,1,0,2\\0,0,1,9 \end{bmatrix} \\ U_{863} = \begin{bmatrix} 1,0,0,3\\0,1,0,2\\0,0,1,10 \end{bmatrix} \\ U_{864} = \begin{bmatrix} 1,0,0,3\\0,1,0,2\\0,0,1,11 \end{bmatrix} \\ U_{865} = \begin{bmatrix} 1,0,0,3\\0,1,0,2\\0,0,1,12 \end{bmatrix} \\ U_{865} = \begin{bmatrix} 1,0,0,3\\0,1,0,2\\0,0,1,13 \end{bmatrix} \\ U_{866} = \begin{bmatrix} 1,0,0,3\\0,1,0,2\\0,0,1,13 \end{bmatrix}$$

$$L_{867} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,2\\ 0,0,1,14 \end{bmatrix}$$

$$L_{868} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,2\\ 0,0,1,15 \end{bmatrix}$$

$$L_{869} = \begin{bmatrix} 1,0,3,0\\ 0,1,2,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{870} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,3\\ 0,0,1,0 \end{bmatrix}$$

$$L_{871} = \begin{bmatrix} 1,0,0,3\\ 0,0,1,0 \end{bmatrix}$$

$$L_{872} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,3\\ 0,0,1,2 \end{bmatrix}$$

$$L_{873} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,3\\ 0,0,1,2 \end{bmatrix}$$

$$L_{874} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,3\\ 0,0,1,4 \end{bmatrix}$$

$$L_{875} = \begin{bmatrix} 1,0,0,3\\ 0,0,1,4 \end{bmatrix}$$

$$L_{876} = \begin{bmatrix} 1,0,0,3\\ 0,0,1,5 \end{bmatrix}$$

$$L_{876} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,3\\ 0,0,1,5 \end{bmatrix}$$

$$L_{878} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,3\\ 0,0,1,7 \end{bmatrix}$$

$$L_{879} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,3\\ 0,0,1,9 \end{bmatrix}$$

$$L_{879} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,3\\ 0,0,1,9 \end{bmatrix}$$

$$L_{10} = \begin{bmatrix} 1,0,0,3\\ 0,0,1,9 \end{bmatrix}$$

$$L_{11} = \begin{bmatrix} 1,0,0,3\\ 0,0,1,9 \end{bmatrix}$$

$$L_{12} = \begin{bmatrix} 1,0,0,3\\ 0,0,1,9 \end{bmatrix}$$

$$L_{13} = \begin{bmatrix} 1,0,0,3\\ 0,0,1,9 \end{bmatrix}$$

$$L_{14} = \begin{bmatrix} 1,0,0,3\\ 0,0,1,9 \end{bmatrix}$$

$$L_{15} =$$

$$L_{881} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,3\\ 0,0,1,11 \end{bmatrix} \ L_{882} = \begin{bmatrix} 1,0,0,3\\ 0,0,1,12 \end{bmatrix} \ L_{883} = \begin{bmatrix} 1,0,0,3\\ 0,0,1,13 \end{bmatrix} \ L_{884} = \begin{bmatrix} 1,0,0,3\\ 0,0,1,14 \end{bmatrix} \ L_{885} = \begin{bmatrix} 1,0,0,3\\ 0,0,1,14 \end{bmatrix} \ L_{886} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,3\\ 0,0,1,15 \end{bmatrix} \ L_{887} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,3\\ 0,0,0,1 \end{bmatrix} \ L_{888} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,4\\ 0,0,1,0 \end{bmatrix} \ L_{889} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,4\\ 0,0,1,2 \end{bmatrix} \ L_{890} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,4\\ 0,0,1,2 \end{bmatrix} \ L_{891} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,4\\ 0,0,1,4 \end{bmatrix} \ L_{892} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,4\\ 0,0,1,4 \end{bmatrix} \ L_{893} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,4\\ 0,0,1,5 \end{bmatrix} \ L_{893} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,4\\ 0,0,1,6 \end{bmatrix} \ L_{894} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,4\\ 0,0,1,7 \end{bmatrix}$$

$$L_{895} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,4\\ 0,0,1,8 \end{bmatrix}$$

$$L_{896} = \begin{bmatrix} 1,0,0,3\\ 1,0,0,3\\ 0,1,0,4\\ 0,0,1,10 \end{bmatrix}$$

$$L_{897} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,4\\ 0,0,1,110 \end{bmatrix}$$

$$L_{898} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,4\\ 0,0,1,111 \end{bmatrix}$$

$$L_{900} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,4\\ 0,0,1,12 \end{bmatrix}$$

$$L_{901} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,4\\ 0,0,1,13 \end{bmatrix}$$

$$L_{902} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,4\\ 0,0,1,14 \end{bmatrix}$$

$$L_{903} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,4\\ 0,0,1,15 \end{bmatrix}$$

$$L_{904} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,4\\ 0,0,0,1 \end{bmatrix}$$

$$L_{905} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,5\\ 0,0,1,0 \end{bmatrix}$$

$$L_{906} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,5\\ 0,0,1,2 \end{bmatrix}$$

$$L_{907} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,5\\ 0,0,1,2 \end{bmatrix}$$

$$L_{908} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,5\\ 0,0,1,3 \end{bmatrix}$$

$$L_{908} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,5\\ 0,0,1,3 \end{bmatrix}$$

$$L_{908} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,5\\ 0,0,1,3 \end{bmatrix}$$

$$L_{909} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,5\\ 0,0,1,5 \end{bmatrix} \\ L_{910} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,5\\ 0,0,1,6 \end{bmatrix} \\ L_{911} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,5\\ 0,0,1,7 \end{bmatrix} \\ L_{912} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,5\\ 0,0,1,8 \end{bmatrix} \\ L_{913} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,5\\ 0,0,1,9 \end{bmatrix} \\ L_{914} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,5\\ 0,0,1,10 \end{bmatrix} \\ L_{915} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,5\\ 0,0,1,11 \end{bmatrix} \\ L_{916} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,5\\ 0,0,1,12 \end{bmatrix} \\ L_{917} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,5\\ 0,0,1,13 \end{bmatrix} \\ L_{919} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,5\\ 0,0,1,14 \end{bmatrix} \\ L_{920} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,5\\ 0,0,1,15 \end{bmatrix} \\ L_{921} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,5\\ 0,0,1,15 \end{bmatrix} \\ L_{922} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,5\\ 0,0,1,0,0 \end{bmatrix} \\ L_{922} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,0 \end{bmatrix} \\ L_{921} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,0 \end{bmatrix} \\ L_{922} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,0 \end{bmatrix} \\ L_{921} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,0 \end{bmatrix} \\ L_{922} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,0 \end{bmatrix} \\ L_{923} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,0 \end{bmatrix} \\ L_{924} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,0 \end{bmatrix} \\ L_{925} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,0 \end{bmatrix} \\ L_{926} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,0 \end{bmatrix} \\ L_{927} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,0 \end{bmatrix} \\ L_{929} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,1 \end{bmatrix}$$

$$L_{923} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,2 \end{bmatrix} \\ L_{924} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,3 \end{bmatrix} \\ L_{925} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,4 \end{bmatrix} \\ L_{926} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,5 \end{bmatrix} \\ L_{927} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,6 \end{bmatrix} \\ L_{928} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,7 \end{bmatrix} \\ L_{929} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,7 \end{bmatrix} \\ L_{930} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,9 \end{bmatrix} \\ L_{931} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,10 \end{bmatrix} \\ L_{932} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,11 \end{bmatrix} \\ L_{933} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,12 \end{bmatrix} \\ L_{934} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,13 \end{bmatrix} \\ L_{935} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,14 \end{bmatrix} \\ L_{936} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,14 \end{bmatrix} \\ L_{936} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,6\\ 0,0,1,14 \end{bmatrix}$$

$$L_{937} = egin{bmatrix} 1,0,3,0 \ 0,1,6,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{938} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,1 \ \end{bmatrix} \ L_{939} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,2 \ \end{bmatrix} \ L_{940} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,3 \ \end{bmatrix} \ L_{941} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{942} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{943} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,6 \ \end{bmatrix} \ L_{944} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,7 \ \end{bmatrix} \ L_{945} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{948} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,10 \ \end{bmatrix} \ L_{949} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,10 \ \end{bmatrix} \ L_{949} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,11 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{950} = en$$

$$L_{951} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,13 \end{bmatrix} \ L_{952} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,14 \end{bmatrix} \ L_{953} = egin{bmatrix} 1,0,0,3 \ 0,1,0,7 \ 0,0,1,15 \end{bmatrix} \ L_{954} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,0 \end{bmatrix} \ L_{955} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,2 \end{bmatrix} \ L_{957} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,3 \end{bmatrix} \ L_{959} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,4 \end{bmatrix} \ L_{960} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,5 \end{bmatrix} \ L_{961} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,6 \end{bmatrix} \ 1,0,0,3 \ 0,1,0,8 \ 0,0,1,6 \end{bmatrix} \ L_{962} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,7 \end{bmatrix} \ L_{963} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,7 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egin{bmatrix} 1,0,0,3 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{964} = egi$$

$$L_{965} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,8\\ 0,0,1,10 \end{bmatrix} \ L_{966} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,8\\ 0,0,1,11 \end{bmatrix} \ L_{967} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,8\\ 0,0,1,12 \end{bmatrix} \ L_{968} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,8\\ 0,0,1,13 \end{bmatrix} \ L_{969} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,8\\ 0,0,1,14 \end{bmatrix} \ L_{970} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,8\\ 0,0,1,14 \end{bmatrix} \ L_{971} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,8\\ 0,0,1,15 \end{bmatrix} \ L_{972} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,0 \end{bmatrix} \ L_{973} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,1 \end{bmatrix} \ L_{974} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,2 \end{bmatrix} \ L_{975} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,3 \end{bmatrix} \ L_{976} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,4 \end{bmatrix} \ L_{977} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,5 \end{bmatrix} \ L_{978} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,5 \end{bmatrix} \ L_{978} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,5 \end{bmatrix} \ L_{978} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,6 \end{bmatrix} \ L_{978} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,1,0,9 \end{bmatrix} \ L_{978} = \begin{bmatrix} 1,0,0,3\\$$

$$L_{979} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,7 \end{bmatrix}$$

$$L_{980} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,8 \end{bmatrix}$$

$$L_{981} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,9 \end{bmatrix}$$

$$L_{982} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,10 \end{bmatrix}$$

$$L_{983} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,11 \end{bmatrix}$$

$$L_{984} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,12 \end{bmatrix}$$

$$L_{985} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,13 \end{bmatrix}$$

$$L_{986} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,13 \end{bmatrix}$$

$$L_{987} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,14 \end{bmatrix}$$

$$L_{989} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,15 \end{bmatrix}$$

$$L_{989} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,9\\ 0,0,1,15 \end{bmatrix}$$

$$L_{990} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,10\\ 0,0,1,0 \end{bmatrix}$$

$$L_{991} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,10\\ 0,0,1,2\\ 1,0,0,3\\ 0,1,0,10\\ 0,0,1,2 \end{bmatrix}$$

$$L_{992} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,10\\ 0,0,1,2\\ 1,0,0,3\\ 0,1,0,10\\ 0,0,1,3 \end{bmatrix}$$

$$L_{993} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,10\\ 0,0,1,4 \end{bmatrix}$$

$$L_{994} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,10\\ 0,0,1,5 \end{bmatrix}$$

$$L_{995} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,10\\ 0,0,1,6 \end{bmatrix}$$

$$L_{996} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,10\\ 0,0,1,7 \end{bmatrix}$$

$$L_{997} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,10\\ 0,0,1,8 \end{bmatrix}$$

$$L_{998} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,10\\ 0,0,1,9 \end{bmatrix}$$

$$L_{999} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,10\\ 0,0,1,9 \end{bmatrix}$$

$$L_{999} = \begin{bmatrix} 0,1,0,10\\ 0,0,1,0 \end{bmatrix}$$

$$L_{1000} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,10\\ 0,0,1,11 \end{bmatrix}$$

$$L_{1001} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,10\\ 0,0,1,12 \end{bmatrix}$$

$$L_{1002} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,10\\ 0,0,1,13 \end{bmatrix}$$

$$L_{1003} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,10\\ 0,0,1,14 \end{bmatrix}$$

$$L_{1004} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,10\\ 0,0,1,15 \end{bmatrix}$$

$$L_{1005} = \begin{bmatrix} 1,0,3,0\\ 0,1,0,10\\ 0,0,0,1 \end{bmatrix}$$

$$L_{1006} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,11\\ 0,0,1,0 \end{bmatrix}$$

$$L_{1007} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,11\\ 0,0,1,1 \end{bmatrix}$$

$$L_{1008} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,11\\ 0,0,1,2 \end{bmatrix}$$

$$L_{1010} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,11\\ 0,0,1,3 \end{bmatrix}$$

$$L_{1011} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,11\\ 0,0,1,4 \end{bmatrix}$$

$$L_{1012} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,11\\ 0,0,1,5 \end{bmatrix}$$

$$L_{1013} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,11\\ 0,0,1,6 \end{bmatrix}$$

$$L_{1014} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,11\\ 0,0,1,5 \end{bmatrix}$$

$$L_{1015} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,11\\ 0,0,1,6 \end{bmatrix}$$

$$L_{1016} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,11\\ 0,0,1,6 \end{bmatrix}$$

$$L_{1017} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,11\\ 0,0,1,6 \end{bmatrix}$$

$$L_{1018} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,11\\ 0,0,1,6 \end{bmatrix}$$

$$L_{1014} = \begin{bmatrix} 1,0,0,3\\0,1,0,11\\0,0,1,8\\1,0,0,3\\0,1,0,11\\0,0,1,9 \end{bmatrix}$$

$$L_{1016} = \begin{bmatrix} 1,0,0,3\\0,1,0,11\\0,0,1,10\\1,0,0,3\\0,1,0,11\\0,0,1,11\end{bmatrix}$$

$$L_{1017} = \begin{bmatrix} 1,0,0,3\\0,1,0,11\\0,0,1,11\\1,0,0,3\\0,1,0,11\\0,0,1,12\end{bmatrix}$$

$$L_{1019} = \begin{bmatrix} 1,0,0,3\\0,1,0,11\\0,0,1,13\\1,0,0,3\\0,1,0,11\\0,0,1,14\end{bmatrix}$$

$$L_{1020} = \begin{bmatrix} 1,0,0,3\\0,1,0,11\\0,0,1,14\\1,0,0,3\\0,1,0,11\\0,0,1,15\\1,0,0,3\\0,1,0,11\\0,0,0,1,15\end{bmatrix}$$

$$L_{1022} = \begin{bmatrix} 1,0,0,3\\0,1,0,11\\0,0,0,1,15\\1,0,0,3\\0,1,0,12\\0,0,1,1\end{bmatrix}$$

$$L_{1024} = \begin{bmatrix} 1,0,0,3\\0,1,0,12\\0,0,1,0\\1,0,0,3\\0,1,0,12\\0,0,1,2\\1,0,0,3\\0,1,0,12\\0,0,1,3\\1,0,0,3\\0,1,0,12\\0,0,1,3\\1,0,0,3\\0,1,0,12\\0,0,1,3\\1,0,0,3\\0,1,0,12\\0,0,1,3\\1,0,0,3\\0,1,0,12\\0,0,1,3\\1,0,0,3\\0,1,0,12\\0,0,1,3\\1,0,0,3\\0,1,0,12\\0,0,1,3\\1,0,0,3\\0,1,0,12\\0,0,1,4\\1$$

$$L_{1028} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,12\\ 0,0,1,5 \end{bmatrix} \\ L_{1029} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,12\\ 0,0,1,6 \end{bmatrix} \\ L_{1030} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,12\\ 0,0,1,7 \end{bmatrix} \\ L_{1031} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,12\\ 0,0,1,8 \end{bmatrix} \\ L_{1032} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,12\\ 0,0,1,9 \end{bmatrix} \\ L_{1033} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,12\\ 0,0,1,10 \end{bmatrix} \\ L_{1034} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,12\\ 0,0,1,11 \end{bmatrix} \\ L_{1035} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,12\\ 0,0,1,12 \end{bmatrix} \\ L_{1036} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,12\\ 0,0,1,13 \end{bmatrix} \\ L_{1037} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,12\\ 0,0,1,13 \end{bmatrix} \\ L_{1039} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,12\\ 0,0,1,15 \end{bmatrix} \\ L_{1040} = \begin{bmatrix} 1,0,3,0\\ 0,1,0,13\\ 0,0,0,1 \end{bmatrix} \\ L_{1041} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,13\\ 0,0,1,0 \end{bmatrix} \\ L_{1041} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,13\\ 0,0,1,1 \end{bmatrix} \\ L_{1041} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,13\\ 0,1,0,13\\ 0,1,0,13 \end{bmatrix} \\ L_{1041} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,13\\ 0,1,0,13 \end{bmatrix} \\ L_$$

$$L_{1042} = \begin{bmatrix} 1,0,0,3\\0,1,0,13\\0,0,1,2 \end{bmatrix} \\ L_{1043} = \begin{bmatrix} 1,0,0,3\\0,1,0,13\\0,0,1,3 \end{bmatrix} \\ L_{1044} = \begin{bmatrix} 1,0,0,3\\0,1,0,13\\0,0,1,4 \end{bmatrix} \\ L_{1045} = \begin{bmatrix} 1,0,0,3\\0,1,0,13\\0,0,1,5 \end{bmatrix} \\ L_{1046} = \begin{bmatrix} 1,0,0,3\\0,1,0,13\\0,0,1,6 \end{bmatrix} \\ L_{1047} = \begin{bmatrix} 1,0,0,3\\0,1,0,13\\0,0,1,7 \end{bmatrix} \\ L_{1048} = \begin{bmatrix} 1,0,0,3\\0,1,0,13\\0,0,1,8 \end{bmatrix} \\ L_{1049} = \begin{bmatrix} 1,0,0,3\\0,1,0,13\\0,0,1,9 \end{bmatrix} \\ L_{1050} = \begin{bmatrix} 1,0,0,3\\0,1,0,13\\0,0,1,10 \end{bmatrix} \\ L_{1051} = \begin{bmatrix} 1,0,0,3\\0,1,0,13\\0,0,1,11 \end{bmatrix} \\ L_{1052} = \begin{bmatrix} 1,0,0,3\\0,1,0,13\\0,0,1,12 \end{bmatrix} \\ L_{1053} = \begin{bmatrix} 1,0,0,3\\0,1,0,13\\0,0,1,13 \end{bmatrix} \\ L_{1054} = \begin{bmatrix} 1,0,0,3\\0,1,0,13\\0,0,1,14 \end{bmatrix} \\ L_{1055} = \begin{bmatrix} 1,0,0,3\\0,1,0,13\\0,0,1,15 \end{bmatrix}$$

$$L_{1056} = \begin{bmatrix} 1,0,3,0\\ 0,1,13,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{1057} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,14\\ 0,0,1,0 \end{bmatrix}$$

$$L_{1058} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,14\\ 0,0,1,1 \end{bmatrix}$$

$$L_{1069} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,14\\ 0,0,1,2 \end{bmatrix}$$

$$L_{1061} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,14\\ 0,0,1,3 \end{bmatrix}$$

$$L_{1062} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,14\\ 0,0,1,4 \end{bmatrix}$$

$$L_{1063} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,14\\ 0,0,1,5 \end{bmatrix}$$

$$L_{1064} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,14\\ 0,0,1,6 \end{bmatrix}$$

$$L_{1065} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,14\\ 0,0,1,7 \end{bmatrix}$$

$$L_{1066} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,14\\ 0,0,1,7 \end{bmatrix}$$

$$L_{1067} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,14\\ 0,0,1,9 \end{bmatrix}$$

$$L_{1068} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,14\\ 0,0,1,10 \end{bmatrix}$$

$$L_{1069} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,14\\ 0,0,1,11 \end{bmatrix}$$

$$L_{1069} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,14\\ 0,0,1,12 \end{bmatrix}$$

$$L_{1070} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,14\\ 0,0,1,13 \end{bmatrix}$$

$$L_{1071} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,14\\ 0,0,1,14 \end{bmatrix}$$

$$L_{1072} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,14\\ 0,0,1,15 \end{bmatrix}$$

$$L_{1073} = \begin{bmatrix} 1,0,3,0\\ 0,1,0,15\\ 0,0,0,1 \end{bmatrix}$$

$$L_{1074} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,15\\ 0,0,1,0 \end{bmatrix}$$

$$L_{1075} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,15\\ 0,0,1,1 \end{bmatrix}$$

$$L_{1076} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,15\\ 0,0,1,2 \end{bmatrix}$$

$$L_{1077} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,15\\ 0,0,1,3 \end{bmatrix}$$

$$L_{1079} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,15\\ 0,0,1,3 \end{bmatrix}$$

$$L_{1080} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,15\\ 0,0,1,5 \end{bmatrix}$$

$$L_{1081} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,15\\ 0,0,1,7 \end{bmatrix}$$

$$L_{1082} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,15\\ 0,0,1,7 \end{bmatrix}$$

$$L_{1083} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,15\\ 0,0,1,8 \end{bmatrix}$$

$$L_{1083} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,15\\ 0,0,1,8 \end{bmatrix}$$

$$L_{1083} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,15\\ 0,0,1,9 \end{bmatrix}$$

$$L_{1084} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,15\\ 0,0,1,10 \end{bmatrix}$$

$$L_{1085} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,15\\ 0,0,1,11 \end{bmatrix}$$

$$L_{1086} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,15\\ 0,0,1,12 \end{bmatrix}$$

$$L_{1087} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,15\\ 0,0,1,13 \end{bmatrix}$$

$$L_{1089} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,15\\ 0,0,1,14 \end{bmatrix}$$

$$L_{1090} = \begin{bmatrix} 1,0,0,3\\ 0,1,0,15\\ 0,0,1,15 \end{bmatrix}$$

$$L_{1091} = \begin{bmatrix} 1,0,3,0\\ 0,1,0,15\\ 0,0,0,1 \end{bmatrix}$$

$$L_{1092} = \begin{bmatrix} 1,3,0,0\\ 0,0,0,1\\ 0,0,0,1 \end{bmatrix}$$

$$L_{1093} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,0\\ 0,0,1,0 \end{bmatrix}$$

$$L_{1094} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,0\\ 0,0,1,2 \end{bmatrix}$$

$$L_{1095} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,0\\ 0,0,1,3 \end{bmatrix}$$

$$L_{1096} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,0\\ 0,0,1,4 \end{bmatrix}$$

$$L_{1097} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,0\\ 0,0,1,4 \end{bmatrix}$$

$$L_{1097} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,0\\ 0,0,1,5 \end{bmatrix}$$

$$L_{1098} = \begin{bmatrix} 1,0,0,4\\0,1,0,0\\0,0,1,6 \end{bmatrix} \\ L_{1099} = \begin{bmatrix} 1,0,0,4\\0,1,0,0\\0,0,1,7 \end{bmatrix} \\ L_{1100} = \begin{bmatrix} 1,0,0,4\\0,1,0,0\\0,0,1,8 \end{bmatrix} \\ L_{1101} = \begin{bmatrix} 1,0,0,4\\0,1,0,0\\0,0,1,9 \end{bmatrix} \\ L_{1102} = \begin{bmatrix} 1,0,0,4\\0,1,0,0\\0,0,1,10 \end{bmatrix} \\ L_{1103} = \begin{bmatrix} 1,0,0,4\\0,1,0,0\\0,0,1,11 \end{bmatrix} \\ L_{1104} = \begin{bmatrix} 1,0,0,4\\0,1,0,0\\0,0,1,12 \end{bmatrix} \\ L_{1105} = \begin{bmatrix} 1,0,0,4\\0,1,0,0\\0,0,1,13 \end{bmatrix} \\ L_{1106} = \begin{bmatrix} 1,0,0,4\\0,1,0,0\\0,0,1,14 \end{bmatrix} \\ L_{1107} = \begin{bmatrix} 1,0,0,4\\0,1,0,0\\0,0,1,15 \end{bmatrix} \\ L_{1108} = \begin{bmatrix} 1,0,0,4\\0,1,0,0\\0,0,1,15 \end{bmatrix} \\ L_{1109} = \begin{bmatrix} 1,0,0,4\\0,1,0,0\\0,0,0,1 \end{bmatrix} \\ L_{1110} = \begin{bmatrix} 1,0,0,4\\0,1,0,1\\0,0,1,0,1\\0,0,1,0,1\\0,0,1,1 \end{bmatrix} \\ L_{1111} = \begin{bmatrix} 1,0,0,4\\0,1,0,1\\0,0,1,2\\0,1,0,1\\0,0,1,2 \end{bmatrix}$$

$$L_{1112} = \begin{bmatrix} 1,0,0,4\\0,1,0,1\\0,0,1,3 \end{bmatrix}$$

$$L_{1113} = \begin{bmatrix} 1,0,0,4\\0,1,0,1\\0,0,1,4 \end{bmatrix}$$

$$L_{1114} = \begin{bmatrix} 1,0,0,4\\0,1,0,1\\0,0,1,5 \end{bmatrix}$$

$$L_{1115} = \begin{bmatrix} 1,0,0,4\\0,1,0,1\\0,0,1,6 \end{bmatrix}$$

$$L_{1116} = \begin{bmatrix} 1,0,0,4\\0,1,0,1\\0,0,1,7 \end{bmatrix}$$

$$L_{1117} = \begin{bmatrix} 1,0,0,4\\0,1,0,1\\0,0,1,8 \end{bmatrix}$$

$$L_{1118} = \begin{bmatrix} 1,0,0,4\\0,1,0,1\\0,0,1,9 \end{bmatrix}$$

$$L_{1119} = \begin{bmatrix} 1,0,0,4\\0,1,0,1\\0,0,1,10 \end{bmatrix}$$

$$L_{1120} = \begin{bmatrix} 1,0,0,4\\0,1,0,1\\0,0,1,11 \end{bmatrix}$$

$$L_{1121} = \begin{bmatrix} 1,0,0,4\\0,1,0,1\\0,0,1,11 \end{bmatrix}$$

$$L_{1122} = \begin{bmatrix} 1,0,0,4\\0,1,0,1\\0,0,1,13 \end{bmatrix}$$

$$L_{1123} = \begin{bmatrix} 1,0,0,4\\0,1,0,1\\0,0,1,14 \end{bmatrix}$$

$$L_{1124} = \begin{bmatrix} 1,0,0,4\\0,1,0,1\\0,0,1,15 \end{bmatrix}$$

$$L_{1125} = \begin{bmatrix} 1,0,0,4\\0,1,0,1\\0,0,1,15 \end{bmatrix}$$

$$L_{1125} = \begin{bmatrix} 1,0,0,4\\0,1,0,1\\0,0,1,15 \end{bmatrix}$$

$$L_{1126} = \begin{bmatrix} 1,0,0,4\\0,1,0,2\\0,0,1,0 \end{bmatrix} \\ [1,0,0,4] \\$$

$$L_{1140} = \begin{bmatrix} 1,0,0,4\\0,1,0,2\\0,0,1,14 \end{bmatrix} \\ L_{1141} = \begin{bmatrix} 1,0,0,4\\0,1,0,2\\0,0,1,15 \end{bmatrix} \\ L_{1142} = \begin{bmatrix} 1,0,4,0\\0,1,2,0\\0,0,0,1\\1,0,3\\0,0,1,0 \end{bmatrix} \\ L_{1143} = \begin{bmatrix} 1,0,0,4\\0,1,0,3\\0,0,1,0 \end{bmatrix} \\ L_{1144} = \begin{bmatrix} 1,0,0,4\\0,1,0,3\\0,0,1,1 \end{bmatrix} \\ L_{1145} = \begin{bmatrix} 1,0,0,4\\0,1,0,3\\0,0,1,2 \end{bmatrix} \\ L_{1146} = \begin{bmatrix} 1,0,0,4\\0,1,0,3\\0,0,1,3 \end{bmatrix} \\ L_{1147} = \begin{bmatrix} 1,0,0,4\\0,1,0,3\\0,0,1,4 \end{bmatrix} \\ L_{1148} = \begin{bmatrix} 1,0,0,4\\0,1,0,3\\0,0,1,5 \end{bmatrix} \\ L_{1149} = \begin{bmatrix} 1,0,0,4\\0,1,0,3\\0,0,1,5 \end{bmatrix} \\ L_{1150} = \begin{bmatrix} 1,0,0,4\\0,1,0,3\\0,0,1,7 \end{bmatrix} \\ L_{1151} = \begin{bmatrix} 1,0,0,4\\0,1,0,3\\0,0,1,7 \end{bmatrix} \\ L_{1152} = \begin{bmatrix} 1,0,0,4\\0,1,0,3\\0,0,1,9 \end{bmatrix} \\ L_{1153} = \begin{bmatrix} 1,0,0,4\\0,1,0,3\\0,0,1,9 \end{bmatrix} \\ L_{1153} = \begin{bmatrix} 1,0,0,4\\0,1,0,3\\0,0,1,9 \end{bmatrix}$$

$$L_{1154} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,3\\ 0,0,1,11 \end{bmatrix}$$

$$L_{1155} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,3\\ 0,0,1,12 \end{bmatrix}$$

$$L_{1156} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,3\\ 0,0,1,13 \end{bmatrix}$$

$$L_{1157} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,3\\ 0,0,1,14 \end{bmatrix}$$

$$L_{1158} = \begin{bmatrix} 1,0,4,0\\ 0,1,0,3\\ 0,0,1,15 \end{bmatrix}$$

$$L_{1159} = \begin{bmatrix} 1,0,4,0\\ 0,1,0,4\\ 0,0,0,1 \end{bmatrix}$$

$$L_{1160} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,4\\ 0,0,1,0 \end{bmatrix}$$

$$L_{1161} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,4\\ 0,0,1,2 \end{bmatrix}$$

$$L_{1162} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,4\\ 0,0,1,2 \end{bmatrix}$$

$$L_{1163} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,4\\ 0,0,1,3 \end{bmatrix}$$

$$L_{1164} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,4\\ 0,0,1,4 \end{bmatrix}$$

$$L_{1165} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,4\\ 0,0,1,5 \end{bmatrix}$$

$$L_{1166} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,4\\ 0,0,1,6 \end{bmatrix}$$

$$L_{1167} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,4\\ 0,0,1,6 \end{bmatrix}$$

$$L_{1167} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,4\\ 0,0,1,6 \end{bmatrix}$$

$$L_{1168} = \begin{bmatrix} 1,0,0,4\\0,1,0,4\\0,0,1,8 \end{bmatrix} \\ L_{1169} = \begin{bmatrix} 1,0,0,4\\0,1,0,4\\0,0,1,9 \end{bmatrix} \\ L_{1170} = \begin{bmatrix} 1,0,0,4\\0,1,0,4\\0,0,1,10 \end{bmatrix} \\ L_{1171} = \begin{bmatrix} 1,0,0,4\\0,0,1,11\\1,0,0,4\\0,0,1,11 \end{bmatrix} \\ L_{1172} = \begin{bmatrix} 1,0,0,4\\0,1,0,4\\0,0,1,12 \end{bmatrix} \\ L_{1173} = \begin{bmatrix} 1,0,0,4\\0,1,0,4\\0,0,1,13 \end{bmatrix} \\ L_{1174} = \begin{bmatrix} 1,0,0,4\\0,1,0,4\\0,0,1,14 \end{bmatrix} \\ L_{1175} = \begin{bmatrix} 1,0,0,4\\0,1,0,4\\0,0,1,15 \end{bmatrix} \\ L_{1176} = \begin{bmatrix} 1,0,0,4\\0,1,0,4\\0,0,0,1 \end{bmatrix} \\ L_{1177} = \begin{bmatrix} 1,0,0,4\\0,1,0,5\\0,0,1,0 \end{bmatrix} \\ L_{1179} = \begin{bmatrix} 1,0,0,4\\0,1,0,5\\0,0,1,2\\1,0,0,4\\0,1,0,5\\0,0,1,2 \end{bmatrix} \\ L_{1180} = \begin{bmatrix} 1,0,0,4\\0,1,0,5\\0,0,1,3\\1,0,0,4\\0,1,0,5\\0,0,1,3 \end{bmatrix} \\ L_{1181} = \begin{bmatrix} 1,0,0,4\\0,1,0,5\\0,0,1,3\\1,0,0,4\\0,1,0,5\\0,0,1,3 \end{bmatrix} \\ L_{1181} = \begin{bmatrix} 1,0,0,4\\0,1,0,5\\0,0,1,3\\1,0,0,4\\0,1,0,5\\0,0,1,4 \end{bmatrix}$$

$$L_{1182} = \begin{bmatrix} 1,0,0,4\\0,1,0,5\\0,0,1,5 \end{bmatrix} \\ L_{1183} = \begin{bmatrix} 1,0,0,4\\0,1,0,5\\0,0,1,6 \end{bmatrix} \\ L_{1184} = \begin{bmatrix} 1,0,0,4\\0,1,0,5\\0,0,1,7 \end{bmatrix} \\ L_{1185} = \begin{bmatrix} 1,0,0,4\\0,1,0,5\\0,0,1,8 \end{bmatrix} \\ L_{1186} = \begin{bmatrix} 1,0,0,4\\0,1,0,5\\0,0,1,9 \end{bmatrix} \\ L_{1187} = \begin{bmatrix} 1,0,0,4\\0,1,0,5\\0,0,1,10 \end{bmatrix} \\ L_{1188} = \begin{bmatrix} 1,0,0,4\\0,1,0,5\\0,0,1,11 \end{bmatrix} \\ L_{1189} = \begin{bmatrix} 1,0,0,4\\0,1,0,5\\0,0,1,11 \end{bmatrix} \\ L_{1190} = \begin{bmatrix} 1,0,0,4\\0,1,0,5\\0,0,1,13 \end{bmatrix} \\ L_{1191} = \begin{bmatrix} 1,0,0,4\\0,1,0,5\\0,0,1,14 \end{bmatrix} \\ L_{1192} = \begin{bmatrix} 1,0,0,4\\0,1,0,5\\0,0,1,15 \end{bmatrix} \\ L_{1193} = \begin{bmatrix} 1,0,0,4\\0,1,0,5\\0,0,1,15 \end{bmatrix} \\ L_{1194} = \begin{bmatrix} 1,0,0,4\\0,1,0,6\\0,0,1,0 \end{bmatrix} \\ L_{1195} = \begin{bmatrix} 1,0,0,4\\0,1,0,6\\0,0,1,0 \end{bmatrix} \\ L_{1195} = \begin{bmatrix} 1,0,0,4\\0,1,0,6\\0,0,1,1 \end{bmatrix}$$

$$L_{1196} = \begin{bmatrix} 1,0,0,4\\0,1,0,6\\0,0,1,2 \end{bmatrix} \\ L_{1197} = \begin{bmatrix} 1,0,0,4\\0,1,0,6\\0,0,1,3 \end{bmatrix} \\ L_{1198} = \begin{bmatrix} 1,0,0,4\\0,1,0,6\\0,0,1,4 \end{bmatrix} \\ L_{1199} = \begin{bmatrix} 1,0,0,4\\0,1,0,6\\0,0,1,5 \end{bmatrix} \\ L_{1200} = \begin{bmatrix} 1,0,0,4\\0,1,0,6\\0,0,1,6 \end{bmatrix} \\ L_{1201} = \begin{bmatrix} 1,0,0,4\\0,1,0,6\\0,0,1,7 \end{bmatrix} \\ L_{1202} = \begin{bmatrix} 1,0,0,4\\0,1,0,6\\0,0,1,7 \end{bmatrix} \\ L_{1203} = \begin{bmatrix} 1,0,0,4\\0,1,0,6\\0,0,1,9 \end{bmatrix} \\ L_{1204} = \begin{bmatrix} 1,0,0,4\\0,1,0,6\\0,0,1,10 \end{bmatrix} \\ L_{1205} = \begin{bmatrix} 1,0,0,4\\0,1,0,6\\0,0,1,11 \end{bmatrix} \\ L_{1206} = \begin{bmatrix} 1,0,0,4\\0,1,0,6\\0,0,1,12 \end{bmatrix} \\ L_{1207} = \begin{bmatrix} 1,0,0,4\\0,1,0,6\\0,0,1,13 \end{bmatrix} \\ L_{1208} = \begin{bmatrix} 1,0,0,4\\0,1,0,6\\0,0,1,14 \end{bmatrix} \\ L_{1209} = \begin{bmatrix} 1,0,0,4\\0,1,0,6\\0,0,1,14 \end{bmatrix} \\ L_{1209} = \begin{bmatrix} 1,0,0,4\\0,1,0,6\\0,0,1,14 \end{bmatrix}$$

$$L_{1210} = \begin{bmatrix} 1,0,4,0\\ 0,1,6,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{1211} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,7\\ 0,0,1,0 \end{bmatrix}$$

$$L_{1212} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,7\\ 0,0,1,1 \end{bmatrix}$$

$$L_{1213} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,7\\ 0,0,1,2 \end{bmatrix}$$

$$L_{1214} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,7\\ 0,0,1,3 \end{bmatrix}$$

$$L_{1215} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,7\\ 0,0,1,4 \end{bmatrix}$$

$$L_{1216} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,7\\ 0,0,1,5 \end{bmatrix}$$

$$L_{1217} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,7\\ 0,0,1,5 \end{bmatrix}$$

$$L_{1219} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,7\\ 0,0,1,7 \end{bmatrix}$$

$$L_{1219} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,7\\ 0,0,1,8 \end{bmatrix}$$

$$L_{1221} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,7\\ 0,0,1,9 \end{bmatrix}$$

$$L_{1222} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,7\\ 0,0,1,10 \end{bmatrix}$$

$$L_{1223} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,7\\ 0,0,1,11 \end{bmatrix}$$

$$L_{1223} = \begin{bmatrix} 1,0,0,4\\ 0,1,0,7\\ 0,0,1,11 \end{bmatrix}$$

$$L_{1224} = \begin{bmatrix} 1,0,0,4\\0,1,0,7\\0,0,1,13 \end{bmatrix}$$

$$L_{1225} = \begin{bmatrix} 1,0,0,4\\0,1,0,7\\0,0,1,14 \end{bmatrix}$$

$$L_{1226} = \begin{bmatrix} 1,0,0,4\\0,1,0,7\\0,0,1,15 \end{bmatrix}$$

$$L_{1227} = \begin{bmatrix} 1,0,4,0\\0,1,0,7\\0,0,0,1 \end{bmatrix}$$

$$L_{1228} = \begin{bmatrix} 1,0,0,4\\0,1,0,8\\0,0,1,0 \end{bmatrix}$$

$$L_{1229} = \begin{bmatrix} 1,0,0,4\\0,1,0,8\\0,0,1,1 \end{bmatrix}$$

$$L_{1230} = \begin{bmatrix} 1,0,0,4\\0,1,0,8\\0,0,1,2 \end{bmatrix}$$

$$L_{1231} = \begin{bmatrix} 1,0,0,4\\0,1,0,8\\0,0,1,3 \end{bmatrix}$$

$$L_{1232} = \begin{bmatrix} 1,0,0,4\\0,1,0,8\\0,0,1,4 \end{bmatrix}$$

$$L_{1233} = \begin{bmatrix} 1,0,0,4\\0,1,0,8\\0,0,1,5 \end{bmatrix}$$

$$L_{1234} = \begin{bmatrix} 1,0,0,4\\0,1,0,8\\0,0,1,6 \end{bmatrix}$$

$$L_{1235} = \begin{bmatrix} 1,0,0,4\\0,1,0,8\\0,0,1,6 \end{bmatrix}$$

$$L_{1236} = \begin{bmatrix} 1,0,0,4\\0,1,0,8\\0,0,1,7 \end{bmatrix}$$

$$L_{1237} = \begin{bmatrix} 1,0,0,4\\0,1,0,8\\0,0,1,9 \end{bmatrix}$$

$$L_{1237} = \begin{bmatrix} 1,0,0,4\\0,1,0,8\\0,0,1,9 \end{bmatrix}$$

$$L_{1238} = \begin{bmatrix} 1,0,0,4\\0,1,0,8\\0,0,1,10 \end{bmatrix}$$

$$L_{1239} = \begin{bmatrix} 1,0,0,4\\0,1,0,8\\0,0,1,11 \end{bmatrix}$$

$$L_{1240} = \begin{bmatrix} 1,0,0,4\\0,1,0,8\\0,0,1,12 \end{bmatrix}$$

$$L_{1241} = \begin{bmatrix} 1,0,0,4\\0,1,0,8\\0,0,1,13 \end{bmatrix}$$

$$L_{1242} = \begin{bmatrix} 1,0,0,4\\0,1,0,8\\0,0,1,14 \end{bmatrix}$$

$$L_{1243} = \begin{bmatrix} 1,0,0,4\\0,1,0,8\\0,0,1,15 \end{bmatrix}$$

$$L_{1244} = \begin{bmatrix} 1,0,0,4\\0,1,0,8\\0,0,1,15 \end{bmatrix}$$

$$L_{1244} = \begin{bmatrix} 1,0,0,4\\0,1,0,9\\0,0,1,0 \end{bmatrix}$$

$$L_{1245} = \begin{bmatrix} 1,0,0,4\\0,1,0,9\\0,0,1,0 \end{bmatrix}$$

$$L_{1246} = \begin{bmatrix} 1,0,0,4\\0,1,0,9\\0,0,1,2 \end{bmatrix}$$

$$L_{1248} = \begin{bmatrix} 1,0,0,4\\0,1,0,9\\0,0,1,3 \end{bmatrix}$$

$$L_{1249} = \begin{bmatrix} 1,0,0,4\\0,1,0,9\\0,0,1,3 \end{bmatrix}$$

$$L_{1250} = \begin{bmatrix} 1,0,0,4\\0,1,0,9\\0,0,1,5 \end{bmatrix}$$

$$L_{1251} = \begin{bmatrix} 1,0,0,4\\0,1,0,9\\0,0,1,5 \end{bmatrix}$$

$$L_{10},0,4\\0,1,0,9\\0,0,1,5 \end{bmatrix}$$

$$L_{10},0,4\\0,1,0,9\\0,0,1,5 \end{bmatrix}$$

$$L_{10},0,4\\0,1,0,9\\0,0,1,6$$

$$L_{1252} = \begin{bmatrix} 1,0,0,4\\0,1,0,9\\0,0,1,7 \end{bmatrix}$$

$$L_{1253} = \begin{bmatrix} 1,0,0,4\\0,1,0,9\\0,0,1,8 \end{bmatrix}$$

$$L_{1254} = \begin{bmatrix} 1,0,0,4\\0,1,0,9\\0,0,1,9 \end{bmatrix}$$

$$L_{1255} = \begin{bmatrix} 1,0,0,4\\0,1,0,9\\0,0,1,10 \end{bmatrix}$$

$$L_{1256} = \begin{bmatrix} 1,0,0,4\\0,1,0,9\\0,0,1,11 \end{bmatrix}$$

$$L_{1257} = \begin{bmatrix} 1,0,0,4\\0,1,0,9\\0,0,1,12 \end{bmatrix}$$

$$L_{1258} = \begin{bmatrix} 1,0,0,4\\0,1,0,9\\0,0,1,13 \end{bmatrix}$$

$$L_{1259} = \begin{bmatrix} 1,0,0,4\\0,1,0,9\\0,0,1,14 \end{bmatrix}$$

$$L_{1260} = \begin{bmatrix} 1,0,0,4\\0,1,0,9\\0,0,1,15 \end{bmatrix}$$

$$L_{1261} = \begin{bmatrix} 1,0,0,4\\0,1,0,9\\0,0,1,15 \end{bmatrix}$$

$$L_{1262} = \begin{bmatrix} 1,0,0,4\\0,1,0,9\\0,0,1,15 \end{bmatrix}$$

$$L_{1263} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,1,0 \end{bmatrix}$$

$$L_{1264} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,1,2 \end{bmatrix}$$

$$L_{1265} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,1,2 \end{bmatrix}$$

$$L_{1265} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,1,2 \end{bmatrix}$$

$$L_{1266} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,1,4 \end{bmatrix} \\ L_{1267} = \begin{bmatrix} 1,0,0,4\\1,0,0,4\\0,1,0,10\\0,0,1,5 \end{bmatrix} \\ L_{1268} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,1,6 \end{bmatrix} \\ L_{1269} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,1,7 \end{bmatrix} \\ L_{1270} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,1,8 \end{bmatrix} \\ L_{1271} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,1,9 \end{bmatrix} \\ L_{1272} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,1,10 \end{bmatrix} \\ L_{1273} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,1,11 \end{bmatrix} \\ L_{1274} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,1,12 \end{bmatrix} \\ L_{1275} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,1,13 \end{bmatrix} \\ L_{1276} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,1,14 \end{bmatrix} \\ L_{1277} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,1,15 \end{bmatrix} \\ L_{1278} = \begin{bmatrix} 1,0,4,0\\0,1,0,10\\0,0,0,1 \end{bmatrix} \\ L_{1279} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,0,1 \end{bmatrix} \\ L_{1279} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,0,1,10\\0,0,0,1,0 \end{bmatrix} \\ L_{1279} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,0,1\\0,0,0,1 \end{bmatrix} \\ L_{1279} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,0,1 \end{bmatrix} \\ L_{1279} = \begin{bmatrix} 1,0,0,4\\0,1,0,10\\0,0,1,0 \end{bmatrix}$$

$$L_{1280} = \begin{bmatrix} 1,0,0,4\\0,1,0,11\\0,0,1,1 \end{bmatrix}$$

$$L_{1281} = \begin{bmatrix} 1,0,0,4\\0,1,0,11\\0,0,1,2 \end{bmatrix}$$

$$L_{1282} = \begin{bmatrix} 1,0,0,4\\0,1,0,11\\0,0,1,3 \end{bmatrix}$$

$$L_{1283} = \begin{bmatrix} 1,0,0,4\\0,1,0,11\\0,0,1,4 \end{bmatrix}$$

$$L_{1284} = \begin{bmatrix} 1,0,0,4\\0,1,0,11\\0,0,1,5 \end{bmatrix}$$

$$L_{1285} = \begin{bmatrix} 1,0,0,4\\0,1,0,11\\0,0,1,5 \end{bmatrix}$$

$$L_{1286} = \begin{bmatrix} 1,0,0,4\\0,1,0,11\\0,0,1,7 \end{bmatrix}$$

$$L_{1287} = \begin{bmatrix} 1,0,0,4\\0,1,0,11\\0,0,1,7 \end{bmatrix}$$

$$L_{1288} = \begin{bmatrix} 1,0,0,4\\0,1,0,11\\0,0,1,9 \end{bmatrix}$$

$$L_{1289} = \begin{bmatrix} 1,0,0,4\\0,1,0,11\\0,0,1,10 \end{bmatrix}$$

$$L_{1290} = \begin{bmatrix} 1,0,0,4\\0,1,0,11\\0,0,1,11\\0,0,1,11 \end{bmatrix}$$

$$L_{1291} = \begin{bmatrix} 1,0,0,4\\0,1,0,11\\0,0,1,12 \end{bmatrix}$$

$$L_{1292} = \begin{bmatrix} 1,0,0,4\\0,1,0,11\\0,0,1,13 \end{bmatrix}$$

$$L_{1293} = \begin{bmatrix} 1,0,0,4\\0,1,0,11\\0,0,1,13 \end{bmatrix}$$

$$L_{1293} = \begin{bmatrix} 1,0,0,4\\0,1,0,11\\0,0,1,13 \end{bmatrix}$$

$$L_{1293} = \begin{bmatrix} 1,0,0,4\\0,1,0,11\\0,0,1,14 \end{bmatrix}$$

$$L_{1294} = \begin{bmatrix} 1,0,0,4\\0,1,0,11\\0,0,1,15 \end{bmatrix} \\ L_{1295} = \begin{bmatrix} 1,0,4,0\\0,1,11,0\\0,0,0,1 \end{bmatrix} \\ L_{1296} = \begin{bmatrix} 1,0,0,4\\0,1,0,12\\0,0,1,0 \end{bmatrix} \\ L_{1297} = \begin{bmatrix} 1,0,0,4\\0,1,0,12\\0,0,1,1 \end{bmatrix} \\ L_{1298} = \begin{bmatrix} 1,0,0,4\\0,1,0,12\\0,0,1,2 \end{bmatrix} \\ L_{1299} = \begin{bmatrix} 1,0,0,4\\0,1,0,12\\0,0,1,3 \end{bmatrix} \\ L_{1300} = \begin{bmatrix} 1,0,0,4\\0,1,0,12\\0,0,1,4 \end{bmatrix} \\ L_{1301} = \begin{bmatrix} 1,0,0,4\\0,1,0,12\\0,0,1,5 \end{bmatrix} \\ L_{1302} = \begin{bmatrix} 1,0,0,4\\0,1,0,12\\0,0,1,6 \end{bmatrix} \\ L_{1303} = \begin{bmatrix} 1,0,0,4\\0,1,0,12\\0,0,1,7 \end{bmatrix} \\ L_{1304} = \begin{bmatrix} 1,0,0,4\\0,1,0,12\\0,0,1,8 \end{bmatrix} \\ L_{1305} = \begin{bmatrix} 1,0,0,4\\0,1,0,12\\0,0,1,9 \end{bmatrix} \\ L_{1306} = \begin{bmatrix} 1,0,0,4\\0,1,0,12\\0,0,1,10 \end{bmatrix} \\ L_{1307} = \begin{bmatrix} 1,0,0,4\\0,1,0,12\\0,0,1,11 \end{bmatrix}$$

$$L_{1308} = \begin{bmatrix} 1,0,0,4\\0,1,0,12\\0,0,1,12 \end{bmatrix} \\ 0,0,1,12 \end{bmatrix}$$

$$L_{1309} = \begin{bmatrix} 1,0,0,4\\0,1,0,12\\0,0,1,13 \end{bmatrix} \\ 1,0,0,4\\0,1,0,12\\0,0,1,14 \end{bmatrix}$$

$$L_{1311} = \begin{bmatrix} 1,0,0,4\\0,1,0,12\\0,0,1,15 \end{bmatrix} \\ 1,0,0,4\\0,1,0,13\\0,0,1,0 \end{bmatrix}$$

$$L_{1312} = \begin{bmatrix} 1,0,0,4\\0,1,0,13\\0,0,1,0 \end{bmatrix}$$

$$L_{1314} = \begin{bmatrix} 1,0,0,4\\0,1,0,13\\0,0,1,0 \end{bmatrix}$$

$$L_{1315} = \begin{bmatrix} 1,0,0,4\\0,1,0,13\\0,0,1,1 \end{bmatrix}$$

$$L_{1316} = \begin{bmatrix} 1,0,0,4\\0,1,0,13\\0,0,1,2 \end{bmatrix}$$

$$L_{1316} = \begin{bmatrix} 1,0,0,4\\0,1,0,13\\0,0,1,3 \end{bmatrix}$$

$$0,0,1,3$$

$$1,0,0,4\\0,1,0,13\\0,0,1,4 \end{bmatrix}$$

$$L_{1319} = \begin{bmatrix} 1,0,0,4\\0,1,0,13\\0,0,1,5 \end{bmatrix}$$

$$L_{1320} = \begin{bmatrix} 1,0,0,4\\0,1,0,13\\0,0,1,6 \end{bmatrix}$$

$$1,0,0,4\\0,1,0,13\\0,0,1,6 \end{bmatrix}$$

$$L_{1322} = \begin{bmatrix} 1,0,0,4\\0,1,0,13\\0,0,1,9 \end{bmatrix}$$

$$L_{1323} = \begin{bmatrix} 1,0,0,4\\0,1,0,13\\0,0,1,10 \end{bmatrix}$$

$$L_{1324} = \begin{bmatrix} 1,0,0,4\\0,1,0,13\\0,0,1,11 \end{bmatrix}$$

$$L_{1325} = \begin{bmatrix} 1,0,0,4\\0,1,0,13\\0,0,1,12 \end{bmatrix}$$

$$L_{1326} = \begin{bmatrix} 1,0,0,4\\0,1,0,13\\0,0,1,12 \end{bmatrix}$$

$$L_{1327} = \begin{bmatrix} 1,0,0,4\\0,1,0,13\\0,0,1,13 \end{bmatrix}$$

$$L_{1329} = \begin{bmatrix} 1,0,0,4\\0,1,0,13\\0,0,1,15 \end{bmatrix}$$

$$L_{1330} = \begin{bmatrix} 1,0,4,0\\0,1,0,13\\0,0,0,1 \end{bmatrix}$$

$$L_{1331} = \begin{bmatrix} 1,0,0,4\\0,1,0,14\\0,0,1,0 \end{bmatrix}$$

$$L_{1332} = \begin{bmatrix} 1,0,0,4\\0,1,0,14\\0,0,1,2 \end{bmatrix}$$

$$L_{1333} = \begin{bmatrix} 1,0,0,4\\0,1,0,14\\0,0,1,2 \end{bmatrix}$$

$$L_{1334} = \begin{bmatrix} 1,0,0,4\\0,1,0,14\\0,0,1,3 \end{bmatrix}$$

$$L_{1335} = \begin{bmatrix} 1,0,0,4\\0,1,0,14\\0,0,1,4 \end{bmatrix}$$

$$L_{1335} = \begin{bmatrix} 1,0,0,4\\0,1,0,14\\0,0,1,3 \end{bmatrix}$$

$$L_{1335} = \begin{bmatrix} 1,0,0,4\\0,1,0,14\\0,0,1,3 \end{bmatrix}$$

$$L_{1336} = \begin{bmatrix} 1,0,0,4\\0,1,0,14\\0,0,1,6 \end{bmatrix}$$

$$L_{1337} = \begin{bmatrix} 1,0,0,4\\0,1,0,14\\0,0,1,7 \end{bmatrix}$$

$$L_{1338} = \begin{bmatrix} 1,0,0,4\\0,1,0,14\\0,0,1,8 \end{bmatrix}$$

$$L_{1339} = \begin{bmatrix} 1,0,0,4\\0,1,0,14\\0,0,1,9 \end{bmatrix}$$

$$L_{1340} = \begin{bmatrix} 1,0,0,4\\0,1,0,14\\0,0,1,10 \end{bmatrix}$$

$$L_{1341} = \begin{bmatrix} 1,0,0,4\\0,1,0,14\\0,0,1,11 \end{bmatrix}$$

$$L_{1342} = \begin{bmatrix} 1,0,0,4\\0,1,0,14\\0,0,1,12 \end{bmatrix}$$

$$L_{1343} = \begin{bmatrix} 1,0,0,4\\0,1,0,14\\0,0,1,13 \end{bmatrix}$$

$$L_{1344} = \begin{bmatrix} 1,0,0,4\\0,1,0,14\\0,0,1,13 \end{bmatrix}$$

$$L_{1345} = \begin{bmatrix} 1,0,0,4\\0,1,0,14\\0,0,1,15 \end{bmatrix}$$

$$1,0,0,4\\0,1,0,14\\0,0,1,15 \end{bmatrix}$$

$$1,0,0,4\\0,1,0,15\\0,0,1,0 \end{bmatrix}$$

$$L_{1348} = \begin{bmatrix} 1,0,0,4\\0,1,0,15\\0,0,1,0 \end{bmatrix}$$

$$L_{1349} = \begin{bmatrix} 1,0,0,4\\0,1,0,15\\0,0,1,1 \end{bmatrix}$$

$$1,0,0,4\\0,1,0,15\\0,0,1,0 \end{bmatrix}$$

$$1,0,0,4\\0,1,0,15\\0,0,1,0 \end{bmatrix}$$

$$1,0,0,4\\0,1,0,15\\0,0,1,0 \end{bmatrix}$$

$$L_{1350} = egin{bmatrix} 1,0,0,4 \ 0,1,0,15 \ 0,0,1,3 \ 1,0,0,4 \ 0,1,0,15 \ 0,0,1,4 \ \end{bmatrix} \ L_{1351} = egin{bmatrix} 1,0,0,4 \ 0,1,0,15 \ 0,0,1,5 \ \end{bmatrix} \ L_{1352} = egin{bmatrix} 1,0,0,4 \ 0,1,0,15 \ 0,0,1,6 \ \end{bmatrix} \ L_{1353} = egin{bmatrix} 1,0,0,4 \ 0,1,0,15 \ 0,0,1,7 \ \end{bmatrix} \ L_{1354} = egin{bmatrix} 1,0,0,4 \ 0,1,0,15 \ 0,0,1,9 \ \end{bmatrix} \ L_{1356} = egin{bmatrix} 1,0,0,4 \ 0,1,0,15 \ 0,0,1,10 \ \end{bmatrix} \ L_{1357} = egin{bmatrix} 1,0,0,4 \ 0,1,0,15 \ 0,0,1,10 \ \end{bmatrix} \ L_{1358} = egin{bmatrix} 1,0,0,4 \ 0,1,0,15 \ 0,0,1,11 \ \end{bmatrix} \ L_{1360} = egin{bmatrix} 1,0,0,4 \ 0,1,0,15 \ 0,0,1,13 \ \end{bmatrix} \ L_{1361} = egin{bmatrix} 1,0,0,4 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{1362} = egin{bmatrix} 1,0,0,4 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix} \ l_{10},0,4,0 \ 0,1,15,0,0,0,15 \ \end{bmatrix} \ l_{10},0,4,0 \ 0,1,15,0,0,0,0,1 \ \end{bmatrix} \ L_{1363} = egin{bmatrix} 1,0,4,0 \ 0,1,5,0,0,0,1 \ \end{bmatrix} \ l_{10},0,0,1 \ \end{bmatrix} \ l_{10},0,0,1 \ \end{bmatrix} \ l_{10},0,0,0,1 \] \ l_{10},0,0,1 \] \ l_{1$$

$$L_{1364} = egin{bmatrix} 1, 4, 0, 0 \ 0, 0, 1, 0 \ 0, 0, 0, 1 \end{bmatrix} \ L_{1365} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 0 \end{bmatrix} \ L_{1366} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 2 \end{bmatrix} \ L_{1367} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 3 \end{bmatrix} \ L_{1368} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 4 \end{bmatrix} \ L_{1370} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 5 \end{bmatrix} \ L_{1371} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 5 \end{bmatrix} \ L_{1372} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 7 \end{bmatrix} \ L_{1373} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 9 \end{bmatrix} \ L_{1374} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 10 \end{bmatrix} \ L_{1375} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 10 \end{bmatrix} \ L_{1376} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 11 \end{bmatrix} \ L_{1377} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 12 \end{bmatrix} \ L_{1377} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 12 \end{bmatrix} \ L_{1377} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 12 \end{bmatrix} \ L_{1377} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 12 \end{bmatrix} \ L_{1377} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 12 \end{bmatrix} \ L_{1377} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 12 \end{bmatrix} \ L_{1377} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 12 \end{bmatrix} \ L_{1377} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 12 \end{bmatrix} \ L_{1377} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 12 \end{bmatrix} \ L_{1377} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 12 \end{bmatrix} \ L_{1377} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 12 \end{bmatrix} \ L_{1377} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 12 \end{bmatrix} \ L_{1377} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 12 \end{bmatrix} \ L_{1377} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 12 \end{bmatrix} \ L_{1377} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 12 \end{bmatrix} \ L_{1377} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 12 \end{bmatrix} \ L_{1377} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 12 \end{bmatrix} \ L_{1377} = egin{bmatrix} 1, 0, 0, 5 \ 0, 1, 0, 0 \ 0, 0, 1, 12 \end{bmatrix} \ L_{1377} = e$$

$$L_{1378} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,0\\ 0,0,1,13 \end{bmatrix}$$

$$L_{1379} = \begin{bmatrix} 0,1,0,0\\ 0,0,1,14 \end{bmatrix}$$

$$L_{1380} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,0\\ 0,0,1,15 \end{bmatrix}$$

$$L_{1381} = \begin{bmatrix} 1,0,5,0\\ 0,1,0,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{1382} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,1\\ 0,0,1,0 \end{bmatrix}$$

$$L_{1383} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,1\\ 0,0,1,1 \end{bmatrix}$$

$$L_{1384} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,1\\ 0,0,1,2 \end{bmatrix}$$

$$L_{1385} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,1\\ 0,0,1,3 \end{bmatrix}$$

$$L_{1386} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,1\\ 0,0,1,3 \end{bmatrix}$$

$$L_{1387} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,1\\ 0,0,1,5 \end{bmatrix}$$

$$L_{1388} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,1\\ 0,0,1,5 \end{bmatrix}$$

$$L_{1389} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,1\\ 0,0,1,6 \end{bmatrix}$$

$$L_{1390} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,1\\ 0,0,1,7 \end{bmatrix}$$

$$L_{1391} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,1\\ 0,0,1,9 \end{bmatrix}$$

$$L_{1392} = \begin{bmatrix} 1,0,0,5\\0,1,0,1\\0,0,1,10 \end{bmatrix} \\ 0,0,1,11 \end{bmatrix} \\ L_{1393} = \begin{bmatrix} 1,0,0,5\\0,1,0,1\\0,0,1,11 \end{bmatrix} \\ L_{1394} = \begin{bmatrix} 1,0,0,5\\0,1,0,1\\0,0,1,12 \end{bmatrix} \\ 1,0,0,5\\0,1,0,1\\0,0,1,13 \end{bmatrix} \\ L_{1395} = \begin{bmatrix} 1,0,0,5\\0,1,0,1\\0,0,1,14 \end{bmatrix} \\ 1,0,0,5\\0,1,0,1\\0,0,1,15 \end{bmatrix} \\ L_{1397} = \begin{bmatrix} 1,0,5,0\\0,1,0,1\\0,0,1,15 \end{bmatrix} \\ L_{1398} = \begin{bmatrix} 1,0,5,0\\0,1,0,1\\0,0,0,1 \end{bmatrix} \\ L_{1399} = \begin{bmatrix} 1,0,0,5\\0,1,0,2\\0,0,1,0 \end{bmatrix} \\ 0,0,0,1 \end{bmatrix} \\ L_{1400} = \begin{bmatrix} 1,0,0,5\\0,1,0,2\\0,0,1,1 \end{bmatrix} \\ L_{1401} = \begin{bmatrix} 1,0,0,5\\0,1,0,2\\0,0,1,3 \end{bmatrix} \\ L_{1402} = \begin{bmatrix} 1,0,0,5\\0,1,0,2\\0,0,1,3 \end{bmatrix} \\ L_{1403} = \begin{bmatrix} 1,0,0,5\\0,1,0,2\\0,0,1,4 \end{bmatrix} \\ L_{1404} = \begin{bmatrix} 1,0,0,5\\0,1,0,2\\0,0,1,5 \end{bmatrix} \\ 0,0,0,5\\0,1,0,2\\0,0,1,5 \end{bmatrix} \\ 1,0,0,5\\0,1,0,2\\0,0,1,6 \end{bmatrix}$$

$$L_{1406} = \begin{bmatrix} 1,0,0,5\\0,1,0,2\\0,0,1,7 \end{bmatrix} \\ L_{1407} = \begin{bmatrix} 1,0,0,5\\0,1,0,2\\0,0,1,8 \end{bmatrix} \\ L_{1408} = \begin{bmatrix} 1,0,0,5\\0,1,0,2\\0,0,1,9 \end{bmatrix} \\ L_{1409} = \begin{bmatrix} 1,0,0,5\\0,1,0,2\\0,0,1,10 \end{bmatrix} \\ L_{1410} = \begin{bmatrix} 1,0,0,5\\0,1,0,2\\0,0,1,11 \end{bmatrix} \\ L_{1411} = \begin{bmatrix} 1,0,0,5\\0,1,0,2\\0,0,1,12 \end{bmatrix} \\ L_{1412} = \begin{bmatrix} 1,0,0,5\\0,1,0,2\\0,0,1,13 \end{bmatrix} \\ L_{1413} = \begin{bmatrix} 1,0,0,5\\0,1,0,2\\0,0,1,14 \end{bmatrix} \\ L_{1414} = \begin{bmatrix} 1,0,0,5\\0,1,0,2\\0,0,1,14 \end{bmatrix} \\ L_{1415} = \begin{bmatrix} 1,0,5,0\\0,1,0,2\\0,0,0,1 \end{bmatrix} \\ L_{1416} = \begin{bmatrix} 1,0,5,0\\0,1,0,3\\0,0,1,0 \end{bmatrix} \\ L_{1417} = \begin{bmatrix} 1,0,0,5\\0,1,0,3\\0,0,1,1 \end{bmatrix} \\ L_{1418} = \begin{bmatrix} 1,0,0,5\\0,1,0,3\\0,0,1,2 \end{bmatrix} \\ L_{1419} = \begin{bmatrix} 1,0,0,5\\0,1,0,3\\0,0,1,2 \end{bmatrix} \\ L_{1419} = \begin{bmatrix} 1,0,0,5\\0,1,0,3\\0,0,1,2 \end{bmatrix}$$

$$L_{1420} = egin{bmatrix} 1,0,0,5 \ 0,1,0,3 \ 0,0,1,4 \end{bmatrix} \ L_{1421} = egin{bmatrix} 1,0,0,5 \ 0,1,0,3 \ 0,0,1,5 \end{bmatrix} \ L_{1422} = egin{bmatrix} 1,0,0,5 \ 0,1,0,3 \ 0,0,1,7 \end{bmatrix} \ L_{1423} = egin{bmatrix} 1,0,0,5 \ 0,1,0,3 \ 0,0,1,9 \end{bmatrix} \ L_{1424} = egin{bmatrix} 1,0,0,5 \ 0,1,0,3 \ 0,0,1,10 \end{bmatrix} \ L_{1425} = egin{bmatrix} 1,0,0,5 \ 0,1,0,3 \ 0,0,1,11 \end{bmatrix} \ L_{1426} = egin{bmatrix} 1,0,0,5 \ 0,1,0,3 \ 0,0,1,11 \end{bmatrix} \ L_{1428} = egin{bmatrix} 1,0,0,5 \ 0,1,0,3 \ 0,0,1,12 \end{bmatrix} \ L_{1429} = egin{bmatrix} 1,0,0,5 \ 0,1,0,3 \ 0,0,1,13 \end{bmatrix} \ L_{1430} = egin{bmatrix} 1,0,0,5 \ 0,1,0,3 \ 0,0,1,14 \end{bmatrix} \ L_{1431} = egin{bmatrix} 1,0,0,5 \ 0,1,0,3 \ 0,0,1,15 \end{bmatrix} \ L_{1432} = egin{bmatrix} 1,0,0,5 \ 0,1,0,3 \ 0,0,1,15 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,3 \ 0,0,0,1 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,3 \ 0,0,0,1 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,3 \ 0,0,0,1 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,3 \ 0,0,0,1 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,3 \ 0,0,0,1 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{1433} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ L_{143$$

$$L_{1434} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,1 \end{bmatrix} \ L_{1435} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,3 \end{bmatrix} \ L_{1436} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,4 \end{bmatrix} \ L_{1437} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,5 \end{bmatrix} \ L_{1438} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,6 \end{bmatrix} \ L_{1449} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,7 \end{bmatrix} \ L_{1441} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,9 \end{bmatrix} \ L_{1442} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,10 \end{bmatrix} \ L_{1444} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,11 \end{bmatrix} \ L_{1445} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,12 \end{bmatrix} \ L_{1446} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1447} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \$$

$$L_{1448} = egin{bmatrix} 1,0,0,5 \ 0,1,0,4 \ 0,0,1,15 \end{bmatrix} \ L_{1449} = egin{bmatrix} 1,0,5,0 \ 0,1,4,0 \ 0,0,0,1 \end{bmatrix} \ L_{1450} = egin{bmatrix} 1,0,0,5 \ 0,1,0,5 \ 0,0,1,0 \end{bmatrix} \ L_{1451} = egin{bmatrix} 1,0,0,5 \ 0,0,1,2 \end{bmatrix} \ L_{1452} = egin{bmatrix} 1,0,0,5 \ 0,0,1,2 \end{bmatrix} \ L_{1453} = egin{bmatrix} 1,0,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{1454} = egin{bmatrix} 1,0,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{1454} = egin{bmatrix} 1,0,0,5 \ 0,0,1,4 \end{bmatrix} \ L_{1455} = egin{bmatrix} 1,0,0,5 \ 0,0,1,6 \end{bmatrix} \ L_{1456} = egin{bmatrix} 1,0,0,5 \ 0,0,1,6 \end{bmatrix} \ L_{1458} = egin{bmatrix} 1,0,0,5 \ 0,0,1,7 \end{bmatrix} \ L_{1459} = egin{bmatrix} 1,0,0,5 \ 0,0,1,9 \end{bmatrix} \ L_{1460} = egin{bmatrix} 1,0,0,5 \ 0,0,1,0,5 \ 0,0,1,10 \end{bmatrix} \ L_{1461} = egin{bmatrix} 1,0,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{1$$

$$L_{1462} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,5\\ 0,0,1,12 \end{bmatrix}$$

$$L_{1463} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,5\\ 0,0,1,13 \end{bmatrix}$$

$$L_{1464} = \begin{bmatrix} 1,0,0,5\\ 0,0,1,14 \end{bmatrix}$$

$$L_{1465} = \begin{bmatrix} 1,0,5,0\\ 0,1,0,5\\ 0,0,1,14 \end{bmatrix}$$

$$L_{1466} = \begin{bmatrix} 1,0,5,0\\ 0,1,0,5\\ 0,0,1,15 \end{bmatrix}$$

$$L_{1467} = \begin{bmatrix} 1,0,5,0\\ 0,1,0,5\\ 0,0,0,1 \end{bmatrix}$$

$$L_{1468} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,6\\ 0,0,1,0 \end{bmatrix}$$

$$L_{1469} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,6\\ 0,0,1,2 \end{bmatrix}$$

$$L_{1470} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,6\\ 0,0,1,3 \end{bmatrix}$$

$$L_{1471} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,6\\ 0,0,1,3 \end{bmatrix}$$

$$L_{1472} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,6\\ 0,0,1,5 \end{bmatrix}$$

$$L_{1473} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,6\\ 0,0,1,5 \end{bmatrix}$$

$$L_{1474} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,6\\ 0,0,1,5 \end{bmatrix}$$

$$L_{1475} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,6\\ 0,0,1,7 \end{bmatrix}$$

$$L_{1475} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,6\\ 0,0,1,7 \end{bmatrix}$$

$$L_{1475} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,6\\ 0,0,1,7 \end{bmatrix}$$

$$L_{1476} = egin{bmatrix} 1,0,0,5 \ 0,1,0,6 \ 0,0,1,9 \ \end{bmatrix} \ L_{1477} = egin{bmatrix} 1,0,0,5 \ 0,1,0,6 \ 0,0,1,10 \ \end{bmatrix} \ L_{1478} = egin{bmatrix} 1,0,0,5 \ 0,1,0,6 \ 0,0,1,12 \ \end{bmatrix} \ L_{1480} = egin{bmatrix} 1,0,0,5 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{1481} = egin{bmatrix} 1,0,0,5 \ 0,1,0,6 \ 0,0,1,14 \ \end{bmatrix} \ L_{1482} = egin{bmatrix} 1,0,0,5 \ 0,1,0,6 \ 0,0,1,15 \ \end{bmatrix} \ L_{1483} = egin{bmatrix} 1,0,0,5 \ 0,1,0,6 \ 0,0,1,15 \ \end{bmatrix} \ L_{1484} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{1485} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,2 \ \end{bmatrix} \ L_{1487} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,3 \ \end{bmatrix} \ L_{1488} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{1489} = egin{bmatrix} 1,0,0,5 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix}$$

$$L_{1490} = \begin{bmatrix} 1,0,0,5\\0,1,0,7\\0,0,1,6 \end{bmatrix} \\ 0,1,0,7\\0,0,1,7 \end{bmatrix} \\ L_{1491} = \begin{bmatrix} 1,0,0,5\\0,1,0,7\\0,0,1,7 \end{bmatrix} \\ L_{1492} = \begin{bmatrix} 1,0,0,5\\0,1,0,7\\0,0,1,8 \end{bmatrix} \\ L_{1493} = \begin{bmatrix} 1,0,0,5\\0,1,0,7\\0,0,1,10 \end{bmatrix} \\ L_{1494} = \begin{bmatrix} 1,0,0,5\\0,1,0,7\\0,0,1,11 \end{bmatrix} \\ L_{1495} = \begin{bmatrix} 1,0,0,5\\0,1,0,7\\0,0,1,11 \end{bmatrix} \\ L_{1496} = \begin{bmatrix} 1,0,0,5\\0,1,0,7\\0,0,1,12 \end{bmatrix} \\ L_{1497} = \begin{bmatrix} 1,0,0,5\\0,1,0,7\\0,0,1,13 \end{bmatrix} \\ L_{1498} = \begin{bmatrix} 1,0,0,5\\0,1,0,7\\0,0,1,13 \end{bmatrix} \\ L_{1499} = \begin{bmatrix} 1,0,0,5\\0,1,0,7\\0,0,1,14 \end{bmatrix} \\ L_{1500} = \begin{bmatrix} 1,0,0,5\\0,1,0,7\\0,0,1,15 \end{bmatrix} \\ L_{1501} = \begin{bmatrix} 1,0,0,5\\0,1,0,8\\0,0,1,0 \end{bmatrix} \\ L_{1502} = \begin{bmatrix} 1,0,0,5\\0,1,0,8\\0,0,1,1 \end{bmatrix} \\ L_{1503} = \begin{bmatrix} 1,0,0,5\\0,1,0,8\\0,0,1,2 \end{bmatrix}$$

$$L_{1504} = \begin{bmatrix} 1,0,0,5\\0,1,0,8\\0,0,1,3 \end{bmatrix} \\ L_{1505} = \begin{bmatrix} 0,1,0,8\\0,0,1,4 \end{bmatrix} \\ L_{1506} = \begin{bmatrix} 1,0,0,5\\0,1,0,8\\0,0,1,5 \end{bmatrix} \\ L_{1507} = \begin{bmatrix} 1,0,0,5\\0,1,0,8\\0,0,1,6 \end{bmatrix} \\ L_{1508} = \begin{bmatrix} 1,0,0,5\\0,1,0,8\\0,0,1,7 \end{bmatrix} \\ L_{1509} = \begin{bmatrix} 1,0,0,5\\0,1,0,8\\0,0,1,8 \end{bmatrix} \\ L_{1510} = \begin{bmatrix} 1,0,0,5\\0,1,0,8\\0,0,1,9 \end{bmatrix} \\ L_{1511} = \begin{bmatrix} 1,0,0,5\\0,1,0,8\\0,0,1,10 \end{bmatrix} \\ L_{1512} = \begin{bmatrix} 1,0,0,5\\0,1,0,8\\0,0,1,11 \end{bmatrix} \\ L_{1513} = \begin{bmatrix} 1,0,0,5\\0,1,0,8\\0,0,1,12 \end{bmatrix} \\ L_{1514} = \begin{bmatrix} 1,0,0,5\\0,1,0,8\\0,0,1,13 \end{bmatrix} \\ L_{1515} = \begin{bmatrix} 1,0,0,5\\0,1,0,8\\0,0,1,13 \end{bmatrix} \\ L_{1516} = \begin{bmatrix} 1,0,0,5\\0,1,0,8\\0,0,1,14 \end{bmatrix} \\ L_{1517} = \begin{bmatrix} 1,0,0,5\\0,1,0,8\\0,0,1,15 \end{bmatrix} \\ L_{1517} = \begin{bmatrix} 1,0,0,5\\0,1,0,8\\0,0,0,0,1 \end{bmatrix}$$

$$L_{1518} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,0 \end{bmatrix} \ L_{1519} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,2 \end{bmatrix} \ L_{1520} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,3 \end{bmatrix} \ L_{1521} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,4 \end{bmatrix} \ L_{1523} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,5 \end{bmatrix} \ L_{1524} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,5 \end{bmatrix} \ L_{1524} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,7 \end{bmatrix} \ L_{1526} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,9 \end{bmatrix} \ L_{1528} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,10 \end{bmatrix} \ L_{1529} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,11 \end{bmatrix} \ L_{1530} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,12 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,12 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,13 \end{bmatrix} \ L_{1531} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \$$

$$L_{1532} = egin{bmatrix} 1,0,0,5 \ 0,1,0,9 \ 0,0,1,14 \ 1,0,0,5 \ 0,1,0,9 \ 0,0,1,15 \ \end{bmatrix} \ L_{1534} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,0 \ \end{bmatrix} \ L_{1535} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,0 \ \end{bmatrix} \ L_{1536} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{1537} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{1538} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1539} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,4 \ \end{bmatrix} \ L_{1540} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,5 \ \end{bmatrix} \ L_{1541} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,7 \ \end{bmatrix} \ L_{1542} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,7 \ \end{bmatrix} \ L_{1543} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{1544} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{1545} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{1545} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{10} = egin{bmatrix} 1,0,0,5 \ 0,1,$$

$$L_{1546} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,11 \ 1,0,0,5 \ 0,1,0,10 \ 0,0,1,12 \ \end{bmatrix}$$
 $L_{1547} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,13 \ \end{bmatrix}$
 $L_{1548} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,14 \ \end{bmatrix}$
 $L_{1549} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,1,15 \ \end{bmatrix}$
 $L_{1550} = egin{bmatrix} 1,0,0,5 \ 0,1,0,10 \ 0,0,0,1 \ \end{bmatrix}$
 $L_{1551} = egin{bmatrix} 1,0,0,5 \ 0,1,0,11 \ 0,0,1,0 \ \end{bmatrix}$
 $L_{1552} = egin{bmatrix} 1,0,0,5 \ 0,1,0,11 \ 0,0,1,0 \ \end{bmatrix}$
 $L_{1553} = egin{bmatrix} 1,0,0,5 \ 0,1,0,11 \ 0,0,1,2 \ \end{bmatrix}$
 $L_{1554} = egin{bmatrix} 1,0,0,5 \ 0,1,0,11 \ 0,0,1,2 \ \end{bmatrix}$
 $L_{1555} = egin{bmatrix} 1,0,0,5 \ 0,1,0,11 \ 0,0,1,4 \ \end{bmatrix}$
 $L_{1557} = egin{bmatrix} 1,0,0,5 \ 0,1,0,11 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{1558} = egin{bmatrix} 1,0,0,5 \ 0,1,0,11 \ 0,0,1,6 \ \end{bmatrix}$
 $L_{1559} = egin{bmatrix} 1,0,0,5 \ 0,1,0,11 \ 0,0,1,6 \ \end{bmatrix}$
 $L_{1559} = egin{bmatrix} 1,0,0,5 \ 0,1,0,11 \ 0,0,1,6 \ \end{bmatrix}$

$$L_{1560} = egin{bmatrix} 1,0,0,5 \ 0,1,0,11 \ 0,0,1,8 \ 1,0,0,5 \ 0,1,0,11 \ 0,0,1,9 \ \end{bmatrix} \ L_{1562} = egin{bmatrix} 1,0,0,5 \ 0,1,0,11 \ 0,0,1,10 \ \end{bmatrix} \ L_{1563} = egin{bmatrix} 1,0,0,5 \ 0,1,0,11 \ 0,0,1,12 \ \end{bmatrix} \ L_{1564} = egin{bmatrix} 1,0,0,5 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{1565} = egin{bmatrix} 1,0,0,5 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{1566} = egin{bmatrix} 1,0,0,5 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1567} = egin{bmatrix} 1,0,0,5 \ 0,1,0,11 \ 0,0,0,1,15 \ \end{bmatrix} \ L_{1569} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,0 \ \end{bmatrix} \ L_{1570} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,2 \ \end{bmatrix} \ L_{1572} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,2 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,4 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,4 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,4 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,4 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,4 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,4 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,4 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,4 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,4 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,4 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,4 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,4 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,4 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,4 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,4 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,4 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,4 \ \end{bmatrix} \ L_{1573} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,$$

$$L_{1574} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,5 \ \end{bmatrix} \ L_{1575} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,6 \ \end{bmatrix} \ L_{1576} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,8 \ \end{bmatrix} \ L_{1577} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,9 \ \end{bmatrix} \ L_{1578} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,10 \ \end{bmatrix} \ L_{1580} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1581} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,12 \ \end{bmatrix} \ L_{1582} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,13 \ \end{bmatrix} \ L_{1583} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,14 \ \end{bmatrix} \ L_{1584} = egin{bmatrix} 1,0,0,5 \ 0,1,0,12 \ 0,0,1,15 \ \end{bmatrix} \ L_{1586} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix} 1,0,0,5 \ 0,1,0,13 \ 0,0,1,1 \ \end{bmatrix} \ L_{1587} = egin{bmatrix}$$

$$L_{1588} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,13\\ 0,0,1,2 \end{bmatrix} \\ L_{1589} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,13\\ 0,0,1,3 \end{bmatrix} \\ L_{1590} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,13\\ 0,0,1,4 \end{bmatrix} \\ L_{1591} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,13\\ 0,0,1,5 \end{bmatrix} \\ L_{1592} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,13\\ 0,0,1,6 \end{bmatrix} \\ L_{1593} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,13\\ 0,0,1,7 \end{bmatrix} \\ L_{1594} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,13\\ 0,0,1,7 \end{bmatrix} \\ L_{1595} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,13\\ 0,0,1,9 \end{bmatrix} \\ L_{1596} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,13\\ 0,0,1,10 \end{bmatrix} \\ L_{1597} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,13\\ 0,0,1,11 \end{bmatrix} \\ L_{1598} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,13\\ 0,0,1,12 \end{bmatrix} \\ L_{1599} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,13\\ 0,0,1,13 \end{bmatrix} \\ L_{1600} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,13\\ 0,0,1,14 \end{bmatrix} \\ L_{1601} = \begin{bmatrix} 1,0,0,5\\ 0,1,0,13\\ 0,0,1,15 \end{bmatrix}$$

$$L_{1602} = egin{bmatrix} 1,0,5,0 \ 0,1,13,0 \ 0,0,0,1 \end{bmatrix} \ L_{1603} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,1 \end{bmatrix} \ L_{1604} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,2 \end{bmatrix} \ L_{1605} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,3 \end{bmatrix} \ L_{1606} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,4 \end{bmatrix} \ L_{1608} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,5 \end{bmatrix} \ L_{1610} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,6 \end{bmatrix} \ L_{1611} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,7 \end{bmatrix} \ L_{1612} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,9 \end{bmatrix} \ L_{1613} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,10 \end{bmatrix} \ L_{1614} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,10 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,10 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,10 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,10 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,12 \end{bmatrix} \ L_{1615} = e$$

$$L_{1616} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,13 \end{bmatrix} \ L_{1617} = egin{bmatrix} 1,0,0,5 \ 0,1,0,14 \ 0,0,1,14 \end{bmatrix} \ L_{1618} = egin{bmatrix} 1,0,0,5 \ 0,1,0,15 \ 0,0,1,1 \end{bmatrix} \ L_{1620} = egin{bmatrix} 1,0,0,5 \ 0,1,0,15 \ 0,0,1,0 \end{bmatrix} \ L_{1621} = egin{bmatrix} 1,0,0,5 \ 0,1,0,15 \ 0,0,1,2 \end{bmatrix} \ L_{1622} = egin{bmatrix} 1,0,0,5 \ 0,1,0,15 \ 0,0,1,3 \end{bmatrix} \ L_{1623} = egin{bmatrix} 1,0,0,5 \ 0,1,0,15 \ 0,0,1,3 \end{bmatrix} \ L_{1624} = egin{bmatrix} 1,0,0,5 \ 0,1,0,15 \ 0,0,1,4 \end{bmatrix} \ L_{1625} = egin{bmatrix} 1,0,0,5 \ 0,1,0,15 \ 0,0,1,5 \end{bmatrix} \ 1,0,0,5 \ 0,1,0,15 \ 0,0,1,6 \end{bmatrix} \ L_{1627} = egin{bmatrix} 1,0,0,5 \ 0,1,0,15 \ 0,0,1,7 \ 1,0,0,5 \ 0,1,0,15 \ 0,0,1,8 \end{bmatrix} \ L_{1629} = egin{bmatrix} 1,0,0,5 \ 0,1,0,15 \ 0,0,1,9 \end{bmatrix} \ L_{1629} = egin{bmatrix} 0,1,0,15 \ 0,0,1,9 \ 0,0,1,9 \end{bmatrix} \ L_{1629} = egin{bmatrix} 0,1,0,15 \ 0,0,1,9 \ 0,0,1,9 \end{bmatrix} \ L_{1629} = egin{bmatrix} 0,1,0,15 \ 0,0,1,9 \ 0,0,1,9 \end{bmatrix} \ L_{1629} = egin{bmatrix} 0,1,0,15 \ 0,0,1,9 \ 0,0,1,9 \ 0,0,1,9 \end{bmatrix} \ L_{1629} = egin{bmatrix} 0,1,0,15 \ 0,0,1,9 \ 0,0,1,$$

$$L_{1630} = egin{bmatrix} 1,0,0,5 \ 0,1,0,15 \ 0,0,1,10 \ \end{bmatrix} \ L_{1631} = egin{bmatrix} 1,0,0,5 \ 0,1,0,15 \ 0,0,1,11 \ \end{bmatrix} \ L_{1632} = egin{bmatrix} 1,0,0,5 \ 0,1,0,15 \ 0,0,1,13 \ \end{bmatrix} \ L_{1633} = egin{bmatrix} 1,0,0,5 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{1634} = egin{bmatrix} 1,0,0,5 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{1635} = egin{bmatrix} 1,0,0,5 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{1636} = egin{bmatrix} 1,0,0,5 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{1637} = egin{bmatrix} 1,0,0,6 \ 0,0,0,1 \ \end{bmatrix} \ L_{1638} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,2 \ \end{bmatrix} \ L_{1640} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,2 \ \end{bmatrix} \ L_{1641} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,3 \ \end{bmatrix} \ L_{1642} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,4 \ \end{bmatrix} \ L_{1643} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1643} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1643} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1643} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1643} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1643} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1643} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1643} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1643} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1643} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1643} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1643} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1643} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1643} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1643} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1643} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1643} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1644} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1644} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1644} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1644} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{1644} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \$$

$$L_{1644} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,6 \end{bmatrix} \ L_{1645} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,7 \end{bmatrix} \ L_{1646} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,9 \end{bmatrix} \ L_{1647} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,10 \end{bmatrix} \ L_{1648} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,11 \end{bmatrix} \ L_{1650} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1651} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,13 \end{bmatrix} \ L_{1652} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,13 \end{bmatrix} \ L_{1653} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,15 \end{bmatrix} \ L_{1655} = egin{bmatrix} 1,0,0,6 \ 0,1,0,0 \ 0,0,1,1 \end{bmatrix} \ L_{1656} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,0 \end{bmatrix} \ L_{1657} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,0 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,0 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,0 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,0 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,0 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1000} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1000}$$

$$L_{1658} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,3 \end{bmatrix} \ L_{1659} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,5 \end{bmatrix} \ L_{1660} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,6 \end{bmatrix} \ L_{1661} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,7 \end{bmatrix} \ L_{1662} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,9 \end{bmatrix} \ L_{1663} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,10 \end{bmatrix} \ L_{1666} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,11 \end{bmatrix} \ L_{1668} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,13 \end{bmatrix} \ L_{1669} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,14 \end{bmatrix} \ L_{1670} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,14 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,0,0,1 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,0,0,1 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,1,15 \ 0,0,0,0,1 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,0,0,1 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,0,0,1 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,0,0,1 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,0,0,1 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,0,0,1 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,0,0,1 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,0,0,1 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,0,0,1 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,0,0,1 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,0,0,0 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,0,0,0 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,0,0,0 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,6 \ 0,1,0,1 \ 0,0,0,0,0 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,0 \ 0,0,0,0 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,0 \ 0,0,0,0 \end{bmatrix} \ L_{1671} = egin{bmatrix} 1,0,0,0 \ 0,$$

$$L_{1672} = egin{bmatrix} 1,0,0,6 \ 0,1,0,2 \ 0,0,1,0 \end{bmatrix} \ L_{1673} = egin{bmatrix} 1,0,0,6 \ 0,1,0,2 \ 0,0,1,2 \end{bmatrix} \ L_{1674} = egin{bmatrix} 1,0,0,6 \ 0,1,0,2 \ 0,0,1,3 \end{bmatrix} \ L_{1675} = egin{bmatrix} 1,0,0,6 \ 0,1,0,2 \ 0,0,1,4 \end{bmatrix} \ L_{1676} = egin{bmatrix} 1,0,0,6 \ 0,1,0,2 \ 0,0,1,5 \end{bmatrix} \ L_{1677} = egin{bmatrix} 1,0,0,6 \ 0,1,0,2 \ 0,0,1,5 \end{bmatrix} \ L_{1679} = egin{bmatrix} 1,0,0,6 \ 0,1,0,2 \ 0,0,1,7 \end{bmatrix} \ L_{1680} = egin{bmatrix} 1,0,0,6 \ 0,1,0,2 \ 0,0,1,7 \end{bmatrix} \ L_{1681} = egin{bmatrix} 1,0,0,6 \ 0,1,0,2 \ 0,0,1,10 \end{bmatrix} \ L_{1682} = egin{bmatrix} 1,0,0,6 \ 0,1,0,2 \ 0,0,1,10 \end{bmatrix} \ L_{1683} = egin{bmatrix} 1,0,0,6 \ 0,1,0,2 \ 0,0,1,11 \end{bmatrix} \ L_{1684} = egin{bmatrix} 1,0,0,6 \ 0,1,0,2 \ 0,0,1,11 \end{bmatrix} \ L_{1685} = egin{bmatrix} 1,0,0,6 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{1685} = egin{bmatrix} 1,0,0,6 \ 0,1,0,2 \ 0,0,1,13 \end{bmatrix}$$

$$L_{1686} = \begin{bmatrix} 1,0,0,6\\0,1,0,2\\0,0,1,14 \end{bmatrix} \\ L_{1687} = \begin{bmatrix} 1,0,0,6\\0,1,0,2\\0,0,1,15 \end{bmatrix} \\ L_{1688} = \begin{bmatrix} 1,0,6,0\\0,1,2,0\\0,0,0,1 \end{bmatrix} \\ L_{1689} = \begin{bmatrix} 1,0,0,6\\0,1,0,3\\0,0,1,0 \end{bmatrix} \\ L_{1690} = \begin{bmatrix} 1,0,0,6\\0,1,0,3\\0,0,1,1 \end{bmatrix} \\ L_{1691} = \begin{bmatrix} 1,0,0,6\\0,1,0,3\\0,0,1,2 \end{bmatrix} \\ L_{1692} = \begin{bmatrix} 1,0,0,6\\0,1,0,3\\0,0,1,3 \end{bmatrix} \\ L_{1693} = \begin{bmatrix} 1,0,0,6\\0,1,0,3\\0,0,1,4 \end{bmatrix} \\ L_{1694} = \begin{bmatrix} 1,0,0,6\\0,1,0,3\\0,0,1,5 \end{bmatrix} \\ L_{1695} = \begin{bmatrix} 1,0,0,6\\0,1,0,3\\0,0,1,5 \end{bmatrix} \\ L_{1696} = \begin{bmatrix} 1,0,0,6\\0,1,0,3\\0,0,1,7 \end{bmatrix} \\ L_{1697} = \begin{bmatrix} 1,0,0,6\\0,1,0,3\\0,0,1,7 \end{bmatrix} \\ L_{1698} = \begin{bmatrix} 1,0,0,6\\0,1,0,3\\0,0,1,9 \end{bmatrix} \\ L_{1699} = \begin{bmatrix} 1,0,0,6\\0,1,0,3\\0,0,1,10 \end{bmatrix}$$

$$L_{1700} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,3\\ 0,0,1,11 \end{bmatrix}$$

$$L_{1701} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,3\\ 0,0,1,12 \end{bmatrix}$$

$$L_{1702} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,3\\ 0,0,1,13 \end{bmatrix}$$

$$L_{1703} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,3\\ 0,0,1,14 \end{bmatrix}$$

$$L_{1704} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,3\\ 0,0,1,15 \end{bmatrix}$$

$$L_{1705} = \begin{bmatrix} 1,0,6,0\\ 0,1,0,3\\ 0,0,0,1 \end{bmatrix}$$

$$L_{1706} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,4\\ 0,0,1,0 \end{bmatrix}$$

$$L_{1708} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,4\\ 0,0,1,2 \end{bmatrix}$$

$$L_{1709} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,4\\ 0,0,1,3 \end{bmatrix}$$

$$L_{1710} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,4\\ 0,0,1,3 \end{bmatrix}$$

$$L_{1711} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,4\\ 0,0,1,4 \end{bmatrix}$$

$$L_{1712} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,4\\ 0,0,1,5 \end{bmatrix}$$

$$L_{1713} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,4\\ 0,0,1,5 \end{bmatrix}$$

$$L_{1713} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,4\\ 0,0,1,5 \end{bmatrix}$$

$$L_{1713} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,4\\ 0,0,1,5 \end{bmatrix}$$

$$L_{1714} = \begin{bmatrix} 1,0,0,6\\0,1,0,4\\0,0,1,8 \end{bmatrix} \\ L_{1715} = \begin{bmatrix} 1,0,0,6\\0,1,0,4\\0,0,1,9 \end{bmatrix} \\ L_{1716} = \begin{bmatrix} 1,0,0,6\\0,1,0,4\\0,0,1,10 \end{bmatrix} \\ L_{1717} = \begin{bmatrix} 1,0,0,6\\0,1,0,4\\0,0,1,11 \end{bmatrix} \\ L_{1718} = \begin{bmatrix} 1,0,0,6\\0,1,0,4\\0,0,1,12 \end{bmatrix} \\ L_{1719} = \begin{bmatrix} 1,0,0,6\\0,1,0,4\\0,0,1,13 \end{bmatrix} \\ L_{1720} = \begin{bmatrix} 1,0,0,6\\0,1,0,4\\0,0,1,14 \end{bmatrix} \\ L_{1721} = \begin{bmatrix} 1,0,0,6\\0,1,0,4\\0,0,1,15 \end{bmatrix} \\ L_{1722} = \begin{bmatrix} 1,0,6,0\\0,1,0,4\\0,0,0,1 \end{bmatrix} \\ L_{1723} = \begin{bmatrix} 1,0,6,0\\0,1,0,5\\0,0,1,0 \end{bmatrix} \\ L_{1724} = \begin{bmatrix} 1,0,0,6\\0,1,0,5\\0,0,1,2 \end{bmatrix} \\ L_{1725} = \begin{bmatrix} 1,0,0,6\\0,1,0,5\\0,0,1,2 \end{bmatrix} \\ L_{1726} = \begin{bmatrix} 1,0,0,6\\0,1,0,5\\0,0,1,3 \end{bmatrix} \\ L_{1727} = \begin{bmatrix} 1,0,0,6\\0,1,0,5\\0,0,1,4 \end{bmatrix} \\ L_{1727} = \begin{bmatrix} 1,0,0,6\\0,1,0,5\\0,1,0,5 \end{bmatrix} \\ L_{1727} = \begin{bmatrix} 1,0,0,6\\0,1,0,5\\$$

$$L_{1728} = \begin{bmatrix} 1,0,0,6\\0,1,0,5\\0,0,1,5 \end{bmatrix} \\ L_{1729} = \begin{bmatrix} 1,0,0,6\\0,1,0,5\\0,0,1,6 \end{bmatrix} \\ L_{1730} = \begin{bmatrix} 1,0,0,6\\0,1,0,5\\0,0,1,7 \end{bmatrix} \\ L_{1731} = \begin{bmatrix} 1,0,0,6\\0,1,0,5\\0,0,1,8 \end{bmatrix} \\ L_{1732} = \begin{bmatrix} 1,0,0,6\\0,1,0,5\\0,0,1,9 \end{bmatrix} \\ L_{1733} = \begin{bmatrix} 1,0,0,6\\0,1,0,5\\0,0,1,10 \end{bmatrix} \\ L_{1734} = \begin{bmatrix} 1,0,0,6\\0,1,0,5\\0,0,1,11 \end{bmatrix} \\ L_{1735} = \begin{bmatrix} 1,0,0,6\\0,1,0,5\\0,0,1,12 \end{bmatrix} \\ L_{1736} = \begin{bmatrix} 1,0,0,6\\0,1,0,5\\0,0,1,13 \end{bmatrix} \\ L_{1737} = \begin{bmatrix} 1,0,0,6\\0,1,0,5\\0,0,1,13 \end{bmatrix} \\ L_{1739} = \begin{bmatrix} 1,0,0,6\\0,1,0,5\\0,0,1,15 \end{bmatrix} \\ L_{1740} = \begin{bmatrix} 1,0,0,6\\0,1,0,5\\0,0,1,1 \end{bmatrix} \\ L_{1740} = \begin{bmatrix} 1,0,0,6\\0,1,0,6\\0,0,1,0 \end{bmatrix} \\ L_{1741} = \begin{bmatrix} 1,0,0,6\\0,0,1,0 \end{bmatrix} \\ L_{1741} = \begin{bmatrix} 1,0,0,6\\0,1,0,6\\0,0,1,0 \end{bmatrix} \\ L_{1741} = \begin{bmatrix} 1,0,0,6\\0,0,1,0 \end{bmatrix} \\ L_{1741} = \begin{bmatrix} 1,0,0,6\\0,0,1,1 \end{bmatrix}$$

$$L_{1742} = \begin{bmatrix} 1,0,0,6\\0,1,0,6\\0,0,1,2 \end{bmatrix} \\ L_{1743} = \begin{bmatrix} 1,0,0,6\\0,0,1,3 \end{bmatrix} \\ L_{1744} = \begin{bmatrix} 1,0,0,6\\0,0,1,4 \end{bmatrix} \\ L_{1745} = \begin{bmatrix} 1,0,0,6\\0,0,1,4 \end{bmatrix} \\ L_{1746} = \begin{bmatrix} 1,0,0,6\\0,0,1,5 \end{bmatrix} \\ L_{1747} = \begin{bmatrix} 1,0,0,6\\0,0,1,6 \end{bmatrix} \\ L_{1748} = \begin{bmatrix} 1,0,0,6\\0,0,1,7 \end{bmatrix} \\ L_{1748} = \begin{bmatrix} 1,0,0,6\\0,0,1,7 \end{bmatrix} \\ L_{1749} = \begin{bmatrix} 1,0,0,6\\0,0,1,8 \end{bmatrix} \\ L_{1750} = \begin{bmatrix} 1,0,0,6\\0,0,1,9 \end{bmatrix} \\ L_{1751} = \begin{bmatrix} 1,0,0,6\\0,0,1,10 \end{bmatrix} \\ L_{1752} = \begin{bmatrix} 1,0,0,6\\0,0,1,11 \end{bmatrix} \\ L_{1753} = \begin{bmatrix} 1,0,0,6\\0,0,1,12 \end{bmatrix} \\ L_{1754} = \begin{bmatrix} 1,0,0,6\\0,0,1,13 \end{bmatrix} \\ L_{1755} = \begin{bmatrix} 1,0,0,6\\0,0,1,14 \end{bmatrix} \\ L_{1755} = \begin{bmatrix} 1,0,0,6\\0,0,1,14 \end{bmatrix} \\ L_{1755} = \begin{bmatrix} 1,0,0,6\\0,0,1,14 \end{bmatrix} \\ L_{1755} = \begin{bmatrix} 1,0,0,6\\0,0,1,15 \end{bmatrix} \\ L_{1755} = \begin{bmatrix} 1,0,0,6\\0,0,1,15 \end{bmatrix} \\ L_{1755} = \begin{bmatrix} 1,0,0,6\\0,0,1,15 \end{bmatrix} \\ L_{1755} = \begin{bmatrix} 1,0,0,6\\0,1,0,6\\0,0,1,15 \end{bmatrix} \\ L_{1755} = \begin{bmatrix} 1,0,0,6\\0,1,0,6\\0,0,1,15 \end{bmatrix} \\ L_{1755} = \begin{bmatrix} 1,0,0,6\\0,0,1,15 \end{bmatrix} \\ L_{1755} = \begin{bmatrix} 1,0,0,6\\0,0,1,15 \end{bmatrix} \\ L_{1755} = \begin{bmatrix} 1,0,0,6\\0,1,0,6\\0,0,1,15 \end{bmatrix} \\ L_{1755} = \begin{bmatrix} 1,0,0,6\\0,1,0,6\\0,0,1,15 \end{bmatrix} \\ L_{1755} = \begin{bmatrix} 1,0,0,6\\0,0,1,15 \end{bmatrix} \\ L_{1755} = \begin{bmatrix} 1,0,0,6\\0,1,0,6\\0,0,1,15 \end{bmatrix} \\ L_{1755} = \begin{bmatrix} 1,0,0,6\\0,0,1,15 \end{bmatrix} \\$$

$$L_{1756} = egin{bmatrix} 1,0,6,0 \ 0,1,6,0 \ 0,0,0,1 \ 1,0,0,6 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix}$$
 $L_{1757} = egin{bmatrix} 0,0,6 \ 0,1,0,7 \ 0,0,1,1 \ \end{bmatrix}$
 $L_{1758} = egin{bmatrix} 1,0,0,6 \ 0,1,0,7 \ 0,0,1,2 \ \end{bmatrix}$
 $L_{1760} = egin{bmatrix} 1,0,0,6 \ 0,1,0,7 \ 0,0,1,3 \ \end{bmatrix}$
 $L_{1761} = egin{bmatrix} 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix}$
 $L_{1762} = egin{bmatrix} 1,0,0,6 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{1763} = egin{bmatrix} 1,0,0,6 \ 0,1,0,7 \ 0,0,1,6 \ \end{bmatrix}$
 $L_{1764} = egin{bmatrix} 1,0,0,6 \ 0,1,0,7 \ 0,0,1,7 \ \end{bmatrix}$
 $L_{1765} = egin{bmatrix} 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix}$
 $L_{1766} = egin{bmatrix} 0,1,0,7 \ 0,0,1,10 \ \end{bmatrix}$
 $L_{1768} = egin{bmatrix} 1,0,0,6 \ 0,1,0,7 \ 0,0,1,10 \ \end{bmatrix}$
 $L_{1769} = egin{bmatrix} 1,0,0,6 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix}$

$$L_{1770} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,7\\ 0,0,1,13 \end{bmatrix} \\ L_{1771} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,7\\ 0,0,1,14 \end{bmatrix} \\ L_{1772} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,7\\ 0,0,1,15 \end{bmatrix} \\ L_{1773} = \begin{bmatrix} 1,0,6,0\\ 0,1,7,0\\ 0,0,0,1 \end{bmatrix} \\ L_{1774} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,8\\ 0,0,1,0 \end{bmatrix} \\ L_{1775} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,8\\ 0,0,1,1 \end{bmatrix} \\ L_{1776} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,8\\ 0,0,1,2 \end{bmatrix} \\ L_{1777} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,8\\ 0,0,1,3 \end{bmatrix} \\ L_{1779} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,8\\ 0,0,1,4 \end{bmatrix} \\ L_{1780} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,8\\ 0,0,1,5 \end{bmatrix} \\ L_{1780} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,8\\ 0,0,1,6 \end{bmatrix} \\ L_{1781} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,8\\ 0,0,1,7 \end{bmatrix} \\ L_{1782} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,8\\ 0,0,1,7 \end{bmatrix} \\ L_{1783} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,8\\ 0,0,1,9 \end{bmatrix} \\ L_{1783} = \begin{bmatrix} 1,0,0,6\\ 0,1,0,8\\ 0,0,1,9 \end{bmatrix}$$

$$L_{1784} = \begin{bmatrix} 1,0,0,6\\0,1,0,8\\0,0,1,10 \end{bmatrix}$$

$$L_{1785} = \begin{bmatrix} 0,1,0,8\\0,0,1,11 \end{bmatrix}$$

$$L_{1786} = \begin{bmatrix} 1,0,0,6\\0,1,0,8\\0,0,1,12 \end{bmatrix}$$

$$L_{1787} = \begin{bmatrix} 1,0,0,6\\0,1,0,8\\0,0,1,13 \end{bmatrix}$$

$$L_{1788} = \begin{bmatrix} 1,0,0,6\\0,1,0,8\\0,0,1,13 \end{bmatrix}$$

$$L_{1789} = \begin{bmatrix} 1,0,0,6\\0,1,0,8\\0,0,1,14 \end{bmatrix}$$

$$L_{1790} = \begin{bmatrix} 1,0,0,6\\0,1,0,8\\0,0,0,1 \end{bmatrix}$$

$$L_{1791} = \begin{bmatrix} 1,0,0,6\\0,1,0,9\\0,0,0,1 \end{bmatrix}$$

$$L_{1792} = \begin{bmatrix} 1,0,0,6\\0,1,0,9\\0,0,1,1 \end{bmatrix}$$

$$L_{1793} = \begin{bmatrix} 1,0,0,6\\0,1,0,9\\0,0,1,2 \end{bmatrix}$$

$$L_{1794} = \begin{bmatrix} 1,0,0,6\\0,1,0,9\\0,0,1,3 \end{bmatrix}$$

$$L_{1795} = \begin{bmatrix} 1,0,0,6\\0,1,0,9\\0,0,1,3 \end{bmatrix}$$

$$L_{1796} = \begin{bmatrix} 1,0,0,6\\0,1,0,9\\0,0,1,5 \end{bmatrix}$$

$$L_{1797} = \begin{bmatrix} 1,0,0,6\\0,1,0,9\\0,0,1,5 \end{bmatrix}$$

$$L_{1797} = \begin{bmatrix} 1,0,0,6\\0,1,0,9\\0,0,1,5 \end{bmatrix}$$

$$L_{1798} = egin{bmatrix} 1,0,0,6 \ 0,1,0,9 \ 0,0,1,7 \ \end{bmatrix} \ L_{1799} = egin{bmatrix} 1,0,0,6 \ 0,1,0,9 \ 0,0,1,9 \ \end{bmatrix} \ L_{1800} = egin{bmatrix} 1,0,0,6 \ 0,1,0,9 \ 0,0,1,10 \ \end{bmatrix} \ L_{1801} = egin{bmatrix} 1,0,0,6 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{1802} = egin{bmatrix} 1,0,0,6 \ 0,1,0,9 \ 0,0,1,12 \ \end{bmatrix} \ L_{1803} = egin{bmatrix} 1,0,0,6 \ 0,1,0,9 \ 0,0,1,13 \ \end{bmatrix} \ L_{1804} = egin{bmatrix} 1,0,0,6 \ 0,1,0,9 \ 0,0,1,13 \ \end{bmatrix} \ L_{1805} = egin{bmatrix} 1,0,0,6 \ 0,1,0,9 \ 0,0,1,14 \ \end{bmatrix} \ L_{1806} = egin{bmatrix} 1,0,0,6 \ 0,1,0,9 \ 0,0,1,15 \ \end{bmatrix} \ L_{1807} = egin{bmatrix} 1,0,0,6 \ 0,1,0,9 \ 0,0,1,15 \ \end{bmatrix} \ L_{1808} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,0 \ \end{bmatrix} \ L_{1809} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{1810} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix} \ L_{1811} = egin{bmatrix} 1,0,0,6$$

$$L_{1812} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,4 \ 1,0,0,6 \ 0,1,0,10 \ 0,0,1,5 \ \end{bmatrix} \ L_{1814} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,6 \ \end{bmatrix} \ L_{1815} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,7 \ \end{bmatrix} \ L_{1816} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{1818} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,11 \ \end{bmatrix} \ L_{1820} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,11 \ \end{bmatrix} \ L_{1820} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,12 \ \end{bmatrix} \ L_{1822} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,13 \ \end{bmatrix} \ L_{1823} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,15 \ \end{bmatrix} \ L_{1824} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,15 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,0,1 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,6 \ 0,1,0,10 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,0,6 \ 0,1,0,10 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,0,6 \ 0,1,0,10 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{1825} = egin{bmatrix} 1,0,0,0,6 \ 0,1,0,10 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{1825} = e$$

$$L_{1826} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,1 \ 1,0,0,6 \ 0,1,0,11 \ 0,0,1,2 \ \end{bmatrix} \ L_{1828} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,3 \ \end{bmatrix} \ L_{1829} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,5 \ \end{bmatrix} \ L_{1830} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,5 \ \end{bmatrix} \ L_{1831} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,7 \ \end{bmatrix} \ L_{1832} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,7 \ \end{bmatrix} \ L_{1833} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,9 \ \end{bmatrix} \ L_{1834} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,10 \ \end{bmatrix} \ L_{1835} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,11 \ \end{bmatrix} \ L_{1836} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,12 \ \end{bmatrix} \ L_{1838} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,0,1 \ \end{bmatrix} \ L_{1839} = egin{bmatrix} 1,0,0,0,1 \ \end{bmatrix} \ L_{1839} = en$$

$$L_{1840} = egin{bmatrix} 1,0,0,6 \ 0,1,0,11 \ 0,0,1,15 \ \end{bmatrix} \ L_{1841} = egin{bmatrix} 1,0,6,0 \ 0,1,11,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{1842} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,1 \ \end{bmatrix} \ L_{1843} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,2 \ \end{bmatrix} \ L_{1844} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{1845} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,5 \ \end{bmatrix} \ L_{1847} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,5 \ \end{bmatrix} \ L_{1848} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,6 \ \end{bmatrix} \ L_{1850} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,7 \ \end{bmatrix} \ L_{1851} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,9 \ \end{bmatrix} \ L_{1852} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,10 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,10 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,10 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1853} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1854} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1854} = egin{bmatrix} 1,0,0,6 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{1854$$

$$L_{1854} = \begin{bmatrix} 1,0,0,6\\0,1,0,12\\0,0,1,12 \end{bmatrix} \\ 0,0,1,12 \end{bmatrix} \\ L_{1855} = \begin{bmatrix} 1,0,0,6\\0,1,0,12\\0,0,1,13 \end{bmatrix} \\ L_{1856} = \begin{bmatrix} 1,0,0,6\\0,1,0,12\\0,0,1,14 \end{bmatrix} \\ L_{1857} = \begin{bmatrix} 1,0,0,6\\0,1,0,12\\0,0,1,15 \end{bmatrix} \\ L_{1858} = \begin{bmatrix} 1,0,6,0\\0,1,0,13\\0,0,0,1,0 \end{bmatrix} \\ L_{1859} = \begin{bmatrix} 1,0,0,6\\0,1,0,13\\0,0,1,0 \end{bmatrix} \\ L_{1860} = \begin{bmatrix} 1,0,0,6\\0,1,0,13\\0,0,1,1 \end{bmatrix} \\ L_{1861} = \begin{bmatrix} 1,0,0,6\\0,1,0,13\\0,0,1,2 \end{bmatrix} \\ L_{1862} = \begin{bmatrix} 1,0,0,6\\0,1,0,13\\0,0,1,3 \end{bmatrix} \\ L_{1863} = \begin{bmatrix} 1,0,0,6\\0,1,0,13\\0,0,1,4 \end{bmatrix} \\ L_{1864} = \begin{bmatrix} 1,0,0,6\\0,1,0,13\\0,0,1,5 \end{bmatrix} \\ L_{1865} = \begin{bmatrix} 1,0,0,6\\0,1,0,13\\0,0,1,5 \end{bmatrix} \\ L_{1866} = \begin{bmatrix} 1,0,0,6\\0,1,0,13\\0,0,1,7 \end{bmatrix} \\ L_{1867} = \begin{bmatrix} 1,0,0,6\\0,1,0,13\\0,0,1,8 \end{bmatrix} \\ L_{1867} = \begin{bmatrix} 1,0,0,6\\0,1,0,13\\0,1,2 \end{bmatrix} \\ L_{1867} =$$

$$L_{1868} = \begin{bmatrix} 1,0,0,6\\0,1,0,13\\0,0,1,9 \end{bmatrix} \\ L_{1869} = \begin{bmatrix} 1,0,0,6\\0,1,0,13\\0,0,1,10 \end{bmatrix} \\ L_{1870} = \begin{bmatrix} 1,0,0,6\\0,1,0,13\\0,0,1,11 \end{bmatrix} \\ L_{1871} = \begin{bmatrix} 1,0,0,6\\0,1,0,13\\0,0,1,12 \end{bmatrix} \\ L_{1872} = \begin{bmatrix} 1,0,0,6\\0,1,0,13\\0,0,1,12 \end{bmatrix} \\ L_{1873} = \begin{bmatrix} 1,0,0,6\\0,1,0,13\\0,0,1,14 \end{bmatrix} \\ L_{1874} = \begin{bmatrix} 1,0,0,6\\0,1,0,13\\0,0,1,14 \end{bmatrix} \\ L_{1875} = \begin{bmatrix} 1,0,0,6\\0,1,0,13\\0,0,1,15 \end{bmatrix} \\ L_{1876} = \begin{bmatrix} 1,0,0,6\\0,1,0,14\\0,0,1,0 \end{bmatrix} \\ L_{1878} = \begin{bmatrix} 1,0,0,6\\0,1,0,14\\0,0,1,2 \end{bmatrix} \\ L_{1879} = \begin{bmatrix} 1,0,0,6\\0,1,0,14\\0,0,1,2 \end{bmatrix} \\ L_{1880} = \begin{bmatrix} 1,0,0,6\\0,1,0,14\\0,0,1,3 \end{bmatrix} \\ L_{1880} = \begin{bmatrix} 1,0,0,6\\0,1,0,14\\0,0,1,4 \end{bmatrix} \\ L_{1881} = \begin{bmatrix} 1,0,0,6\\0,1,0,14\\0,0,1,5 \end{bmatrix}$$

$$L_{1882} = \begin{bmatrix} 1,0,0,6\\0,1,0,14\\0,0,1,6 \end{bmatrix} \\ L_{1883} = \begin{bmatrix} 1,0,0,6\\0,1,0,14\\0,0,1,7 \end{bmatrix} \\ L_{1884} = \begin{bmatrix} 1,0,0,6\\0,1,0,14\\0,0,1,8 \end{bmatrix} \\ L_{1885} = \begin{bmatrix} 1,0,0,6\\0,1,0,14\\0,0,1,9 \end{bmatrix} \\ L_{1886} = \begin{bmatrix} 1,0,0,6\\0,1,0,14\\0,0,1,10 \end{bmatrix} \\ L_{1887} = \begin{bmatrix} 1,0,0,6\\0,1,0,14\\0,0,1,11 \end{bmatrix} \\ L_{1888} = \begin{bmatrix} 1,0,0,6\\0,1,0,14\\0,0,1,12 \end{bmatrix} \\ L_{1889} = \begin{bmatrix} 1,0,0,6\\0,1,0,14\\0,0,1,13 \end{bmatrix} \\ L_{1890} = \begin{bmatrix} 1,0,0,6\\0,1,0,14\\0,0,1,13 \end{bmatrix} \\ L_{1890} = \begin{bmatrix} 1,0,0,6\\0,1,0,14\\0,0,1,13 \end{bmatrix} \\ L_{1890} = \begin{bmatrix} 1,0,0,6\\0,1,0,14\\0,0,1,15 \end{bmatrix} \\ 1,0,0,6\\0,1,0,14\\0,0,1,15 \end{bmatrix} \\ L_{1893} = \begin{bmatrix} 1,0,0,6\\0,1,0,15\\0,0,1,0 \end{bmatrix} \\ L_{1894} = \begin{bmatrix} 1,0,0,6\\0,1,0,15\\0,0,1,0 \end{bmatrix} \\ L_{1895} = \begin{bmatrix} 1,0,0,6\\0,1,0,15\\0,0,1,2 \end{bmatrix} \\ L_{1895} = \begin{bmatrix} 1,0,0,6\\0,1,0,15\\0,1,2 \end{bmatrix} \\ L_{1895} = \begin{bmatrix} 1,0,0,6\\0,1,2 \end{bmatrix} \\ L_{1895} = \begin{bmatrix} 1,0,0,6\\0,1,2 \end{bmatrix} \\ L_{1895} = \begin{bmatrix} 1,0,0,6\\0,1,2 \end{bmatrix} \\ L_{1895} = \begin{bmatrix} 1,0,0,6\\0,1,2$$

$$L_{1910} = egin{bmatrix} 1,6,0,0 \ 0,0,1,0 \ 0,0,0,1 \end{bmatrix} \ L_{1911} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,1 \end{bmatrix} \ L_{1912} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,2 \end{bmatrix} \ L_{1913} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,3 \end{bmatrix} \ L_{1914} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,4 \end{bmatrix} \ L_{1915} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,5 \end{bmatrix} \ L_{1916} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,6 \end{bmatrix} \ L_{1917} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,7 \end{bmatrix} \ L_{1920} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,9 \end{bmatrix} \ L_{1922} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,10 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,11 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,12 \end{bmatrix} \ L_{1923} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0$$

$$L_{1924} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,13 \end{bmatrix} \ L_{1925} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,14 \end{bmatrix} \ L_{1926} = egin{bmatrix} 1,0,0,7 \ 0,1,0,0 \ 0,0,1,15 \end{bmatrix} \ L_{1927} = egin{bmatrix} 1,0,0,7 \ 0,1,0,1 \ 0,0,1,0 \end{bmatrix} \ L_{1928} = egin{bmatrix} 1,0,0,7 \ 0,1,0,1 \ 0,0,1,1 \end{bmatrix} \ L_{1930} = egin{bmatrix} 1,0,0,7 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{1931} = egin{bmatrix} 1,0,0,7 \ 0,1,0,1 \ 0,0,1,3 \end{bmatrix} \ L_{1932} = egin{bmatrix} 1,0,0,7 \ 0,1,0,1 \ 0,0,1,4 \end{bmatrix} \ L_{1933} = egin{bmatrix} 1,0,0,7 \ 0,1,0,1 \ 0,0,1,5 \end{bmatrix} \ L_{1934} = egin{bmatrix} 1,0,0,7 \ 0,1,0,1 \ 0,0,1,6 \ 1,0,0,7 \ 0,1,0,1 \ 0,0,1,7 \end{bmatrix} \ L_{1936} = egin{bmatrix} 1,0,0,7 \ 0,1,0,1 \ 0,0,1,8 \ 1,0,0,7 \ 0,1,0,1 \ 0,0,1,9 \end{bmatrix} \ L_{1937} = egin{bmatrix} 1,0,0,7 \ 0,1,0,1 \ 0,0,1,9 \ 0,1,0,1 \ 0,0,1,9 \end{bmatrix} \ L_{1937} = egin{bmatrix} 1,0,0,7 \ 0,1,0,1 \ 0,0,1,9 \ 0,1,0,1 \ 0,0,1,9 \ 0,0,1,9 \end{bmatrix}$$

$$L_{1938} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,1\\ 0,0,1,10 \end{bmatrix}$$

$$L_{1939} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,1\\ 0,0,1,11 \end{bmatrix}$$

$$L_{1940} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,1\\ 0,0,1,12 \end{bmatrix}$$

$$L_{1941} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,1\\ 0,0,1,13 \end{bmatrix}$$

$$L_{1942} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,1\\ 0,0,1,14 \end{bmatrix}$$

$$L_{1943} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,1\\ 0,0,1,15 \end{bmatrix}$$

$$L_{1944} = \begin{bmatrix} 1,0,7,0\\ 0,1,0,1\\ 0,0,1,15 \end{bmatrix}$$

$$L_{1944} = \begin{bmatrix} 1,0,7,0\\ 0,1,0,1\\ 0,0,0,1 \end{bmatrix}$$

$$L_{1945} = \begin{bmatrix} 1,0,7,0\\ 0,1,0,2\\ 0,0,1,0 \end{bmatrix}$$

$$L_{1946} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,2\\ 0,0,1,1 \end{bmatrix}$$

$$L_{1947} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,2\\ 0,0,1,3 \end{bmatrix}$$

$$L_{1949} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,2\\ 0,0,1,4 \end{bmatrix}$$

$$L_{1950} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,2\\ 0,0,1,5 \end{bmatrix}$$

$$L_{1951} = \begin{bmatrix} 0,0,7\\ 0,1,0,2\\ 0,0,1,6 \end{bmatrix}$$

$$L_{1952} = \begin{bmatrix} 1,0,0,7\\0,1,0,2\\0,0,1,7 \end{bmatrix} \\ L_{1953} = \begin{bmatrix} 1,0,0,7\\0,1,0,2\\0,0,1,8 \end{bmatrix} \\ L_{1954} = \begin{bmatrix} 1,0,0,7\\0,1,0,2\\0,0,1,9 \end{bmatrix} \\ L_{1955} = \begin{bmatrix} 1,0,0,7\\0,1,0,2\\0,0,1,10 \end{bmatrix} \\ L_{1956} = \begin{bmatrix} 1,0,0,7\\0,1,0,2\\0,0,1,11 \end{bmatrix} \\ L_{1957} = \begin{bmatrix} 1,0,0,7\\0,1,0,2\\0,0,1,12 \end{bmatrix} \\ L_{1958} = \begin{bmatrix} 1,0,0,7\\0,1,0,2\\0,0,1,13 \end{bmatrix} \\ L_{1959} = \begin{bmatrix} 1,0,0,7\\0,1,0,2\\0,0,1,14 \end{bmatrix} \\ L_{1960} = \begin{bmatrix} 1,0,0,7\\0,1,0,2\\0,0,1,15 \end{bmatrix} \\ L_{1961} = \begin{bmatrix} 1,0,0,7\\0,1,0,2\\0,0,1,15 \end{bmatrix} \\ L_{1962} = \begin{bmatrix} 1,0,7,0\\0,1,0,2\\0,0,0,1 \end{bmatrix} \\ L_{1963} = \begin{bmatrix} 1,0,0,7\\0,1,0,3\\0,0,1,0 \end{bmatrix} \\ L_{1964} = \begin{bmatrix} 1,0,0,7\\0,1,0,3\\0,0,1,2 \end{bmatrix} \\ L_{1965} = \begin{bmatrix} 1,0,0,7\\0,1,0,3\\0,0,1,2 \end{bmatrix} \\ L_{1965} = \begin{bmatrix} 1,0,0,7\\0,1,0,3\\0,0,1,2 \end{bmatrix} \\ L_{1965} = \begin{bmatrix} 1,0,0,7\\0,1,0,3\\0,0,1,2 \end{bmatrix}$$

$$L_{1966} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,4 \end{bmatrix} \ L_{1967} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,5 \end{bmatrix} \ L_{1968} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,7 \end{bmatrix} \ L_{1970} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,9 \end{bmatrix} \ L_{1971} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,10 \end{bmatrix} \ L_{1972} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,11 \end{bmatrix} \ L_{1973} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,12 \end{bmatrix} \ L_{1974} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,12 \end{bmatrix} \ L_{1975} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,13 \end{bmatrix} \ L_{1976} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,14 \end{bmatrix} \ L_{1977} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,15 \end{bmatrix} \ L_{1978} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,15 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,15 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,15 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1979} = egin{bmatrix} 1,0,0,7 \ 0,1,0,3 \ 0,0,1,0 \end{bmatrix} \ L_{1$$

$$L_{1980} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,1 \end{bmatrix} \ L_{1981} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,2 \end{bmatrix} \ L_{1982} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,4 \end{bmatrix} \ L_{1983} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,5 \end{bmatrix} \ L_{1984} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,6 \end{bmatrix} \ L_{1985} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,7 \end{bmatrix} \ L_{1987} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,9 \end{bmatrix} \ L_{1988} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,10 \end{bmatrix} \ L_{1990} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,11 \end{bmatrix} \ L_{1991} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,12 \end{bmatrix} \ L_{1992} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{1993} = egin{bmatrix} 1,0,0,7 \ 0,1,0,4 \$$

$$L_{1994} = \begin{bmatrix} 1,0,0,7\\0,1,0,4\\0,0,1,15 \end{bmatrix}$$

$$L_{1995} = \begin{bmatrix} 1,0,7,0\\0,1,4,0\\0,0,0,1 \end{bmatrix}$$

$$L_{1996} = \begin{bmatrix} 1,0,0,7\\0,1,0,5\\0,0,1,0 \end{bmatrix}$$

$$L_{1997} = \begin{bmatrix} 1,0,0,7\\0,1,0,5\\0,0,1,1 \end{bmatrix}$$

$$L_{1998} = \begin{bmatrix} 1,0,0,7\\0,1,0,5\\0,0,1,2 \end{bmatrix}$$

$$L_{1999} = \begin{bmatrix} 1,0,0,7\\0,1,0,5\\0,0,1,2 \end{bmatrix}$$

$$L_{1999} = \begin{bmatrix} 1,0,0,7\\0,1,0,5\\0,0,1,3 \end{bmatrix}$$

$$L_{2014} = egin{bmatrix} 1,0,0,7 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{2015} = egin{bmatrix} 1,0,0,7 \ 0,1,0,6 \ 0,0,1,2 \end{bmatrix} \ L_{2016} = egin{bmatrix} 1,0,0,7 \ 0,1,0,6 \ 0,0,1,4 \end{bmatrix} \ L_{2017} = egin{bmatrix} 1,0,0,7 \ 0,1,0,6 \ 0,0,1,5 \end{bmatrix} \ L_{2018} = egin{bmatrix} 1,0,0,7 \ 0,1,0,6 \ 0,0,1,6 \end{bmatrix} \ L_{2020} = egin{bmatrix} 1,0,0,7 \ 0,1,0,6 \ 0,0,1,7 \end{bmatrix} \ L_{2021} = egin{bmatrix} 1,0,0,7 \ 0,1,0,6 \ 0,0,1,9 \end{bmatrix} \ L_{2022} = egin{bmatrix} 1,0,0,7 \ 0,1,0,6 \ 0,0,1,10 \end{bmatrix} \ L_{2023} = egin{bmatrix} 1,0,0,7 \ 0,1,0,6 \ 0,0,1,11 \end{bmatrix} \ L_{2024} = egin{bmatrix} 1,0,0,7 \ 0,1,0,6 \ 0,0,1,11 \end{bmatrix} \ L_{2025} = egin{bmatrix} 1,0,0,7 \ 0,1,0,6 \ 0,0,1,12 \end{bmatrix} \ L_{2026} = egin{bmatrix} 1,0,0,7 \ 0,1,0,6 \ 0,0,1,13 \end{bmatrix} \ L_{2027} = egin{bmatrix} 1,0,0,7 \ 0,1,0,6 \ 0,0,1,14 \end{bmatrix} \ L_{2027} = egin{bmatrix} 1,0,0,7 \ 0,1,0,6 \ 0,0,1,14 \end{bmatrix}$$

$$L_{2028} = egin{bmatrix} 1,0,0,7 \ 0,1,0,6 \ 0,0,1,15 \end{bmatrix} \ L_{2029} = egin{bmatrix} 1,0,7,0 \ 0,1,6,0 \ 0,0,0,1 \end{bmatrix} \ L_{2030} = egin{bmatrix} 1,0,0,7 \ 0,0,1,0 \ 1,0,7 \ 0,0,1,1 \end{bmatrix} \ L_{2031} = egin{bmatrix} 1,0,0,7 \ 0,0,1,2 \ 1,0,0,7 \ 0,0,1,3 \end{bmatrix} \ L_{2032} = egin{bmatrix} 1,0,0,7 \ 0,0,1,2 \ 1,0,0,7 \ 0,0,1,3 \end{bmatrix} \ L_{2034} = egin{bmatrix} 1,0,0,7 \ 0,0,1,4 \ 1,0,0,7 \ 0,0,1,5 \ 1,0,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{2036} = egin{bmatrix} 1,0,0,7 \ 0,0,1,6 \ 1,0,0,7 \ 0,0,1,7 \ 1,0,0,7 \ 0,0,1,8 \ 1,0,0,7 \ 0,0,1,9 \ 1,0,0,7 \ 0,0,1,9 \ 1,0,0,7 \ 0,0,1,9 \ 1,0,0,7 \ 0,0,1,10 \ 1,0,0,7 \ 0,0,1,10 \ 1,0,0,7 \ 0,0,1,10 \ 1,0,0,7 \ 0,0,1,10 \ 1,0,0,7 \ 0,0,1,10 \ 1,0,0,7 \ 0,0,1,11 \ \end{bmatrix} \ L_{2041} = egin{bmatrix} 1,0,0,7 \ 0,0,1,11 \ 1,0,0,7 \ 0,0,1,11 \ \end{bmatrix}$$

$$L_{2042} = egin{bmatrix} 1,0,0,7 \ 0,1,0,7 \ 0,0,1,12 \ 1,0,0,7 \ 0,0,1,13 \ \end{bmatrix}$$
 $L_{2043} = egin{bmatrix} 1,0,0,7 \ 0,0,1,13 \ \end{bmatrix}$
 $L_{2044} = egin{bmatrix} 1,0,0,7 \ 0,0,1,14 \ \end{bmatrix}$
 $L_{2045} = egin{bmatrix} 1,0,0,7 \ 0,0,1,15 \ \end{bmatrix}$
 $L_{2046} = egin{bmatrix} 1,0,0,7 \ 0,0,0,1 \ \end{bmatrix}$
 $L_{2047} = egin{bmatrix} 1,0,0,7 \ 0,1,0,8 \ 0,0,1,0 \ \end{bmatrix}$
 $L_{2049} = egin{bmatrix} 1,0,0,7 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix}$
 $L_{2050} = egin{bmatrix} 1,0,0,7 \ 0,1,0,8 \ 0,0,1,3 \ \end{bmatrix}$
 $L_{2051} = egin{bmatrix} 1,0,0,7 \ 0,1,0,8 \ 0,0,1,3 \ \end{bmatrix}$
 $L_{2052} = egin{bmatrix} 1,0,0,7 \ 0,1,0,8 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{2053} = egin{bmatrix} 1,0,0,7 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix}$
 $L_{2054} = egin{bmatrix} 1,0,0,7 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix}$
 $L_{2055} = egin{bmatrix} 1,0,0,7 \ 0,1,0,8 \ 0,0,1,7 \ \end{bmatrix}$
 $L_{2055} = egin{bmatrix} 1,0,0,7 \ 0,1,0,8 \ 0,0,1,7 \ \end{bmatrix}$
 $L_{2055} = egin{bmatrix} 1,0,0,7 \ 0,1,0,8 \ 0,0,1,7 \ \end{bmatrix}$
 $L_{2050} = egin{bmatrix} 1,0,0,7 \ 0,1,0,8 \ 0,0,1,7 \ \end{bmatrix}$
 $L_{2050} = egin{bmatrix} 1,0,0,7 \ 0,1,0,8 \ 0,0,1,7 \ \end{bmatrix}$
 $L_{2050} = egin{bmatrix} 1,0,0,7 \ 0,1,0,8 \ 0,0,1,7 \ \end{bmatrix}$
 $L_{2050} = egin{bmatrix} 1,0,0,7 \ 0,1,0,8 \ 0,0,1,7 \ \end{bmatrix}$

$$L_{2056} = \begin{bmatrix} 1,0,0,7\\0,1,0,8\\0,0,1,9 \end{bmatrix}$$

$$L_{2057} = \begin{bmatrix} 1,0,0,7\\0,1,0,8\\0,0,1,10 \end{bmatrix}$$

$$L_{2058} = \begin{bmatrix} 1,0,0,7\\0,1,0,8\\0,0,1,11 \end{bmatrix}$$

$$L_{2059} = \begin{bmatrix} 1,0,0,7\\0,1,0,8\\0,0,1,12 \end{bmatrix}$$

$$L_{2060} = \begin{bmatrix} 1,0,0,7\\0,1,0,8\\0,0,1,13 \end{bmatrix}$$

$$L_{2061} = \begin{bmatrix} 1,0,0,7\\0,1,0,8\\0,0,1,14 \end{bmatrix}$$

$$L_{2062} = \begin{bmatrix} 1,0,0,7\\0,1,0,8\\0,0,1,14 \end{bmatrix}$$

$$L_{2063} = \begin{bmatrix} 1,0,7,0\\0,1,0,8\\0,0,1,15 \end{bmatrix}$$

$$L_{2064} = \begin{bmatrix} 1,0,7,0\\0,1,0,9\\0,0,1,0 \end{bmatrix}$$

$$L_{2065} = \begin{bmatrix} 1,0,7,7\\0,1,0,9\\0,0,1,1 \end{bmatrix}$$

$$L_{2066} = \begin{bmatrix} 1,0,0,7\\0,1,0,9\\0,0,1,2 \end{bmatrix}$$

$$L_{2067} = \begin{bmatrix} 1,0,0,7\\0,1,0,9\\0,0,1,3 \end{bmatrix}$$

$$L_{2068} = \begin{bmatrix} 1,0,0,7\\0,1,0,9\\0,0,1,4 \end{bmatrix}$$

$$L_{2069} = \begin{bmatrix} 1,0,0,7\\0,1,0,9\\0,0,1,4 \end{bmatrix}$$

$$L_{2070} = egin{bmatrix} 1,0,0,7 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{2071} = egin{bmatrix} 1,0,0,7 \ 0,1,0,9 \ 0,0,1,8 \ \end{bmatrix} \ L_{2072} = egin{bmatrix} 1,0,0,7 \ 0,1,0,9 \ 0,0,1,9 \ \end{bmatrix} \ L_{2073} = egin{bmatrix} 1,0,0,7 \ 0,1,0,9 \ 0,0,1,10 \ \end{bmatrix} \ L_{2074} = egin{bmatrix} 1,0,0,7 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{2076} = egin{bmatrix} 1,0,0,7 \ 0,1,0,9 \ 0,0,1,12 \ \end{bmatrix} \ L_{2077} = egin{bmatrix} 1,0,0,7 \ 0,1,0,9 \ 0,0,1,13 \ \end{bmatrix} \ L_{2079} = egin{bmatrix} 1,0,0,7 \ 0,1,0,9 \ 0,0,1,14 \ \end{bmatrix} \ L_{2080} = egin{bmatrix} 1,0,0,7 \ 0,1,0,9 \ 0,0,1,15 \ \end{bmatrix} \ L_{2081} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,0 \ \end{bmatrix} \ L_{2082} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,1 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2083} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2084} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2084} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2084} = egin{bmatrix} 1,0,0,7$$

$$L_{2084} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,3 \ 1,0,0,7 \ 0,1,0,10 \ 0,0,1,4 \ \end{bmatrix} \ L_{2086} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,5 \ \end{bmatrix} \ L_{2087} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,6 \ \end{bmatrix} \ L_{2089} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{2090} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{2091} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,10 \ \end{bmatrix} \ L_{2092} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,11 \ \end{bmatrix} \ L_{2093} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,12 \ \end{bmatrix} \ L_{2094} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,13 \ \end{bmatrix} \ L_{2095} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,15 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,0,7 \ 0,1,0,10 \ 0,0,1,15 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,7,0 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,7,0 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,7,0 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,7,0 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,7,0 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,7,0 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,7,0 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2097} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2099} = egin{bmatrix} 1,0,0,0 \ 0,0,0,0 \ \end{bmatrix} \ L_{2099} = egin$$

$$L_{2098} = \begin{bmatrix} 1,0,0,7\\0,1,0,11\\0,0,1,0 \end{bmatrix}$$

$$L_{2099} = \begin{bmatrix} 1,0,0,7\\0,1,0,11\\0,0,1,1 \end{bmatrix}$$

$$L_{2100} = \begin{bmatrix} 1,0,0,7\\0,1,0,11\\0,0,1,2 \end{bmatrix}$$

$$L_{2101} = \begin{bmatrix} 1,0,0,7\\0,1,0,11\\0,0,1,3 \end{bmatrix}$$

$$L_{2102} = \begin{bmatrix} 1,0,0,7\\0,1,0,11\\0,0,1,4 \end{bmatrix}$$

$$L_{2103} = \begin{bmatrix} 1,0,0,7\\0,1,0,11\\0,0,1,5 \end{bmatrix}$$

$$L_{2104} = \begin{bmatrix} 1,0,0,7\\0,1,0,11\\0,0,1,6 \end{bmatrix}$$

$$L_{2104} = \begin{bmatrix} 1,0,0,7\\0,1,0,11\\0,0,1,6 \end{bmatrix}$$

$$L_{2105} = \begin{bmatrix} 1,0,0,7\\0,1,0,11\\0,0,1,7 \end{bmatrix}$$

$$L_{2106} = \begin{bmatrix} 1,0,0,7\\0,1,0,11\\0,0,1,9 \end{bmatrix}$$

$$L_{2108} = \begin{bmatrix} 1,0,0,7\\0,1,0,11\\0,0,1,10 \end{bmatrix}$$

$$L_{2109} = \begin{bmatrix} 1,0,0,7\\0,1,0,11\\0,0,1,11 \end{bmatrix}$$

$$L_{2110} = \begin{bmatrix} 1,0,0,7\\0,1,0,11\\0,0,1,11 \end{bmatrix}$$

$$L_{2111} = \begin{bmatrix} 1,0,0,7\\0,1,0,11\\0,0,1,12 \end{bmatrix}$$

$$L_{2111} = \begin{bmatrix} 1,0,0,7\\0,1,0,11\\0,0,1,13 \end{bmatrix}$$

$$L_{2112} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,11\\ 0,0,1,14 \end{bmatrix}$$

$$L_{2113} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,11\\ 1,0,0,7 \end{bmatrix}$$

$$L_{2114} = \begin{bmatrix} 1,0,7,0\\ 0,1,11,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{2115} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,12\\ 0,0,1,0 \end{bmatrix}$$

$$L_{2116} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,12\\ 0,0,1,1 \end{bmatrix}$$

$$L_{2117} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,12\\ 0,0,1,2 \end{bmatrix}$$

$$L_{2118} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,12\\ 0,0,1,3 \end{bmatrix}$$

$$L_{2119} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,12\\ 0,0,1,4 \end{bmatrix}$$

$$L_{2120} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,12\\ 0,0,1,5 \end{bmatrix}$$

$$L_{2121} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,12\\ 0,0,1,5 \end{bmatrix}$$

$$L_{2122} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,12\\ 0,0,1,6 \end{bmatrix}$$

$$L_{2123} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,12\\ 0,0,1,7 \end{bmatrix}$$

$$L_{2124} = \begin{bmatrix} 0,0,7\\ 0,1,0,12\\ 0,0,1,9 \end{bmatrix}$$

$$L_{2125} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,12\\ 0,0,1,9 \end{bmatrix}$$

$$L_{2125} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,12\\ 0,0,1,9 \end{bmatrix}$$

$$L_{2125} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,12\\ 0,0,1,9 \end{bmatrix}$$

$$L_{2126} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,12\\ 0,0,1,11 \end{bmatrix}$$

$$L_{2127} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,12\\ 0,0,1,12 \end{bmatrix}$$

$$L_{2128} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,12\\ 0,0,1,13 \end{bmatrix}$$

$$L_{2129} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,12\\ 0,0,1,14 \end{bmatrix}$$

$$L_{2130} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,12\\ 0,0,1,14 \end{bmatrix}$$

$$L_{2131} = \begin{bmatrix} 1,0,7,0\\ 0,1,0,12\\ 0,0,1,15 \end{bmatrix}$$

$$L_{2132} = \begin{bmatrix} 1,0,7,0\\ 0,1,0,13\\ 0,0,1,0 \end{bmatrix}$$

$$L_{2133} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,13\\ 0,0,1,0 \end{bmatrix}$$

$$L_{2134} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,13\\ 0,0,1,2 \end{bmatrix}$$

$$L_{2135} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,13\\ 0,0,1,2 \end{bmatrix}$$

$$L_{2136} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,13\\ 0,0,1,4 \end{bmatrix}$$

$$L_{2137} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,13\\ 0,0,1,5 \end{bmatrix}$$

$$L_{2138} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,13\\ 0,0,1,6 \end{bmatrix}$$

$$L_{2139} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,13\\ 0,0,1,6 \end{bmatrix}$$

$$L_{2139} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,13\\ 0,0,1,6 \end{bmatrix}$$

$$L_{2140} = \begin{bmatrix} 1,0,0,7\\0,1,0,13\\0,0,1,8\\1,0,0,7\\0,1,0,13\\0,0,1,9 \end{bmatrix}$$

$$L_{2141} = \begin{bmatrix} 1,0,0,7\\0,1,0,13\\0,0,1,10\\1,0,0,7\\0,1,0,13\\0,0,1,11 \end{bmatrix}$$

$$L_{2143} = \begin{bmatrix} 1,0,0,7\\0,1,0,13\\0,0,1,11\\1,0,0,7\\0,1,0,13\\0,0,1,12 \end{bmatrix}$$

$$L_{2144} = \begin{bmatrix} 1,0,0,7\\0,1,0,13\\0,0,1,12\\1,0,0,7\\0,1,0,13\\0,0,1,13 \end{bmatrix}$$

$$L_{2146} = \begin{bmatrix} 1,0,0,7\\0,1,0,13\\0,0,1,13\\1,0,0,7\\0,1,0,13\\0,0,1,15 \end{bmatrix}$$

$$L_{2149} = \begin{bmatrix} 1,0,0,7\\0,1,0,13\\0,0,1,15\\1,0,7,0\\0,1,0,14\\0,0,1,0 \end{bmatrix}$$

$$L_{2150} = \begin{bmatrix} 1,0,0,7\\0,1,0,14\\0,0,1,0\\1\\1,0,0,7\\0,1,0,14\\0,0,1,2\\1,0,0,7\\0,1,0,14\\0,0,1,3\\1 \end{bmatrix}$$

$$L_{2152} = \begin{bmatrix} 1,0,0,7\\0,1,0,14\\0,0,1,3\\1,0,0,7\\0,1,0,14\\0,0,1,3\\1,0,0,7\\0,1,0,14\\0,0,1,3\\1 \end{bmatrix}$$

$$L_{2153} = \begin{bmatrix} 1,0,0,7\\0,1,0,14\\0,0,1,3\\1,0,0,7\\0,1,0,14\\0,0,1,3\\1 \end{bmatrix}$$

$$L_{2154} = \begin{bmatrix} 1,0,0,7\\0,1,0,14\\0,0,1,5 \end{bmatrix} \\ L_{2155} = \begin{bmatrix} 1,0,0,7\\0,1,0,14\\0,0,1,6 \end{bmatrix} \\ L_{2156} = \begin{bmatrix} 1,0,0,7\\0,1,0,14\\0,0,1,7 \end{bmatrix} \\ L_{2157} = \begin{bmatrix} 1,0,0,7\\0,1,0,14\\0,0,1,8 \end{bmatrix} \\ L_{2158} = \begin{bmatrix} 1,0,0,7\\0,1,0,14\\0,0,1,9 \end{bmatrix} \\ L_{2159} = \begin{bmatrix} 1,0,0,7\\0,1,0,14\\0,0,1,10 \end{bmatrix} \\ L_{2160} = \begin{bmatrix} 1,0,0,7\\0,1,0,14\\0,0,1,11 \end{bmatrix} \\ L_{2161} = \begin{bmatrix} 1,0,0,7\\0,1,0,14\\0,0,1,12 \end{bmatrix} \\ L_{2162} = \begin{bmatrix} 1,0,0,7\\0,1,0,14\\0,0,1,13 \end{bmatrix} \\ L_{2163} = \begin{bmatrix} 1,0,0,7\\0,1,0,14\\0,0,1,13 \end{bmatrix} \\ L_{2164} = \begin{bmatrix} 1,0,0,7\\0,1,0,14\\0,0,1,15 \end{bmatrix} \\ L_{2165} = \begin{bmatrix} 1,0,7,0\\0,1,0,14\\0,0,1,15 \end{bmatrix} \\ L_{2166} = \begin{bmatrix} 1,0,7,0\\0,1,0,15\\0,0,1,0 \end{bmatrix} \\ L_{2167} = \begin{bmatrix} 1,0,0,7\\0,1,0,15\\0,0,1,0 \end{bmatrix} \\ L_{2167} = \begin{bmatrix} 1,0,0,7\\0,1,0,15\\0,0,1,1 \end{bmatrix}$$

$$L_{2168} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,15\\ 0,0,1,2 \end{bmatrix} \\ L_{2169} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,15\\ 0,0,1,3 \end{bmatrix} \\ L_{2170} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,15\\ 0,0,1,4 \end{bmatrix} \\ L_{2171} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,15\\ 0,0,1,5 \end{bmatrix} \\ L_{2172} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,15\\ 0,0,1,6 \end{bmatrix} \\ L_{2173} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,15\\ 0,0,1,7 \end{bmatrix} \\ L_{2173} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,15\\ 0,0,1,7 \end{bmatrix} \\ L_{2174} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,15\\ 0,0,1,8 \end{bmatrix} \\ L_{2175} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,15\\ 0,0,1,10 \end{bmatrix} \\ L_{2176} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,15\\ 0,0,1,11 \end{bmatrix} \\ L_{2179} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,15\\ 0,0,1,12 \end{bmatrix} \\ L_{2180} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,15\\ 0,0,1,14 \end{bmatrix} \\ L_{2181} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,15\\ 0,0,1,14 \end{bmatrix} \\ L_{2181} = \begin{bmatrix} 1,0,0,7\\ 0,1,0,15\\ 0,0,1,15 \end{bmatrix} \\ 0,0,1,15 \end{bmatrix}$$

$$L_{2182} = \begin{bmatrix} 1,0,7,0\\ 0,1,15,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{2183} = \begin{bmatrix} 1,7,0,0\\ 0,0,1,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{2184} = \begin{bmatrix} 1,0,0,8\\ 0,1,0,0\\ 0,0,1,0 \end{bmatrix}$$

$$L_{2185} = \begin{bmatrix} 1,0,0,8\\ 0,1,0,0\\ 0,0,1,1 \end{bmatrix}$$

$$L_{2186} = \begin{bmatrix} 1,0,0,8\\ 0,1,0,0\\ 0,0,1,2 \end{bmatrix}$$

$$L_{2187} = \begin{bmatrix} 1,0,0,8\\ 0,1,0,0\\ 0,0,1,3 \end{bmatrix}$$

$$L_{2188} = \begin{bmatrix} 1,0,0,8\\ 0,1,0,0\\ 0,0,1,4 \end{bmatrix}$$

$$L_{2189} = \begin{bmatrix} 1,0,0,8\\ 0,1,0,0\\ 0,0,1,5 \end{bmatrix}$$

$$L_{2190} = \begin{bmatrix} 1,0,0,8\\ 0,1,0,0\\ 0,0,1,6 \end{bmatrix}$$

$$L_{2191} = \begin{bmatrix} 1,0,0,8\\ 0,1,0,0\\ 0,0,1,7 \end{bmatrix}$$

$$L_{2192} = \begin{bmatrix} 1,0,0,8\\ 0,1,0,0\\ 0,0,1,8 \end{bmatrix}$$

$$L_{2193} = \begin{bmatrix} 1,0,0,8\\ 0,1,0,0\\ 0,0,1,9 \end{bmatrix}$$

$$L_{2194} = \begin{bmatrix} 1,0,0,8\\ 0,1,0,0\\ 0,0,1,10 \end{bmatrix}$$

$$L_{2195} = \begin{bmatrix} 1,0,0,8\\ 0,1,0,0\\ 0,0,1,11 \end{bmatrix}$$

$$L_{2196} = \begin{bmatrix} 1,0,0,8\\0,1,0,0\\0,0,1,12 \end{bmatrix} \\ L_{2197} = \begin{bmatrix} 1,0,0,8\\0,1,0,0\\0,0,1,13 \end{bmatrix} \\ L_{2198} = \begin{bmatrix} 1,0,0,8\\0,1,0,0\\0,0,1,14 \end{bmatrix} \\ L_{2199} = \begin{bmatrix} 1,0,0,8\\0,1,0,0\\0,0,1,15 \end{bmatrix} \\ L_{2200} = \begin{bmatrix} 1,0,8,0\\0,1,0,0\\0,0,0,1 \end{bmatrix} \\ L_{2201} = \begin{bmatrix} 1,0,0,8\\0,1,0,1\\0,0,1,0 \end{bmatrix} \\ L_{2202} = \begin{bmatrix} 1,0,0,8\\0,1,0,1\\0,0,1,1 \end{bmatrix} \\ L_{2203} = \begin{bmatrix} 1,0,0,8\\0,1,0,1\\0,0,1,2 \end{bmatrix} \\ L_{2204} = \begin{bmatrix} 1,0,0,8\\0,1,0,1\\0,0,1,3 \end{bmatrix} \\ L_{2205} = \begin{bmatrix} 1,0,0,8\\0,1,0,1\\0,0,1,3 \end{bmatrix} \\ L_{2206} = \begin{bmatrix} 1,0,0,8\\0,1,0,1\\0,0,1,5 \end{bmatrix} \\ L_{2207} = \begin{bmatrix} 1,0,0,8\\0,1,0,1\\0,0,1,5 \end{bmatrix} \\ L_{2208} = \begin{bmatrix} 1,0,0,8\\0,1,0,1\\0,0,1,6 \end{bmatrix} \\ L_{2209} = \begin{bmatrix} 1,0,0,8\\0,1,0,1\\0,0,1,7 \end{bmatrix} \\ L_{2209} = \begin{bmatrix} 1,0,0,8\\0,1,0,1\\0,0,1,8 \end{bmatrix}$$

$$L_{2210} = \begin{bmatrix} 1,0,0,8\\0,1,0,1\\0,0,1,9 \end{bmatrix}$$

$$L_{2211} = \begin{bmatrix} 1,0,0,8\\0,1,0,1\\0,0,1,10 \end{bmatrix}$$

$$L_{2212} = \begin{bmatrix} 1,0,0,8\\0,1,0,1\\0,0,1,11 \end{bmatrix}$$

$$L_{2213} = \begin{bmatrix} 1,0,0,8\\0,1,0,1\\0,0,1,12 \end{bmatrix}$$

$$L_{2214} = \begin{bmatrix} 1,0,0,8\\0,1,0,1\\0,0,1,13 \end{bmatrix}$$

$$L_{2215} = \begin{bmatrix} 1,0,0,8\\0,1,0,1\\0,0,1,14 \end{bmatrix}$$

$$L_{2216} = \begin{bmatrix} 1,0,0,8\\0,1,0,1\\0,0,1,15 \end{bmatrix}$$

$$L_{2217} = \begin{bmatrix} 1,0,8,0\\0,1,0,1\\0,0,1,15 \end{bmatrix}$$

$$L_{2218} = \begin{bmatrix} 1,0,0,8\\0,1,0,2\\0,0,1,0 \end{bmatrix}$$

$$L_{2219} = \begin{bmatrix} 1,0,0,8\\0,1,0,2\\0,0,1,1 \end{bmatrix}$$

$$L_{2220} = \begin{bmatrix} 1,0,0,8\\0,1,0,2\\0,0,1,2 \end{bmatrix}$$

$$L_{2221} = \begin{bmatrix} 1,0,0,8\\0,1,0,2\\0,0,1,3 \end{bmatrix}$$

$$L_{2222} = \begin{bmatrix} 1,0,0,8\\0,1,0,2\\0,0,1,3 \end{bmatrix}$$

$$L_{2222} = \begin{bmatrix} 1,0,0,8\\0,1,0,2\\0,0,1,4 \end{bmatrix}$$

$$L_{2223} = \begin{bmatrix} 1,0,0,8\\0,1,0,2\\0,0,1,4 \end{bmatrix}$$

$$L_{2223} = \begin{bmatrix} 0,0,1,4\\1,0,0,8\\0,1,0,2\\0,0,1,5 \end{bmatrix}$$

$$L_{2224} = \begin{bmatrix} 1,0,0,8\\0,1,0,2\\0,0,1,6 \end{bmatrix} \\ L_{1},0,0,8\\0,1,0,2\\0,0,1,7 \end{bmatrix} \\ L_{2226} = \begin{bmatrix} 1,0,0,8\\0,1,0,2\\0,0,1,8 \end{bmatrix} \\ L_{2227} = \begin{bmatrix} 1,0,0,8\\0,1,0,2\\0,0,1,9 \end{bmatrix} \\ L_{2228} = \begin{bmatrix} 1,0,0,8\\0,1,0,2\\0,0,1,10 \end{bmatrix} \\ L_{2229} = \begin{bmatrix} 1,0,0,8\\0,1,0,2\\0,0,1,11 \end{bmatrix} \\ L_{2230} = \begin{bmatrix} 1,0,0,8\\0,1,0,2\\0,0,1,11 \end{bmatrix} \\ L_{2231} = \begin{bmatrix} 1,0,0,8\\0,1,0,2\\0,0,1,13 \end{bmatrix} \\ L_{2232} = \begin{bmatrix} 1,0,0,8\\0,1,0,2\\0,0,1,13 \end{bmatrix} \\ L_{2232} = \begin{bmatrix} 1,0,0,8\\0,1,0,2\\0,0,1,14 \end{bmatrix} \\ L_{2233} = \begin{bmatrix} 1,0,0,8\\0,1,0,2\\0,0,1,15 \end{bmatrix} \\ L_{2234} = \begin{bmatrix} 1,0,0,8\\0,1,0,2\\0,0,1,15 \end{bmatrix} \\ L_{2235} = \begin{bmatrix} 1,0,0,8\\0,1,0,2\\0,0,1,15 \end{bmatrix} \\ L_{2236} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,1,0 \end{bmatrix} \\ L_{2237} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,1,2 \end{bmatrix} \\ L_{2237} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,1,0,3\\0,0,1,2 \end{bmatrix} \\ L_{2237} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,1,0,3\\0,1,2 \end{bmatrix}$$

$$L_{2238} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,1,3 \end{bmatrix} \\ L_{2239} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,1,4 \end{bmatrix} \\ L_{2240} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,1,5 \end{bmatrix} \\ L_{2241} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,1,6 \end{bmatrix} \\ L_{2242} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,1,7 \end{bmatrix} \\ L_{2243} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,1,8 \end{bmatrix} \\ L_{2244} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,1,9 \end{bmatrix} \\ L_{2244} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,1,10 \end{bmatrix} \\ L_{2245} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,1,11 \end{bmatrix} \\ L_{2246} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,1,11 \end{bmatrix} \\ L_{2247} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,1,12 \end{bmatrix} \\ L_{2249} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,1,13 \end{bmatrix} \\ L_{2249} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,1,14 \end{bmatrix} \\ L_{2250} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,1,15 \end{bmatrix} \\ L_{2251} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,0,1 \end{bmatrix} \\ L_{2251} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,1,2 \end{bmatrix} \\ L_{2251} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,1,2 \end{bmatrix} \\ L_{2251} = \begin{bmatrix} 1,0,0,8\\0,1,0,3\\0,0,1,2 \end{bmatrix} \\ L_{2251$$

$$L_{2252} = \begin{bmatrix} 1,0,0,8\\0,1,0,4\\0,0,1,0 \end{bmatrix}$$

$$L_{2253} = \begin{bmatrix} 1,0,0,8\\0,1,0,4\\0,0,1,1 \end{bmatrix}$$

$$L_{2254} = \begin{bmatrix} 1,0,0,8\\0,1,0,4\\0,0,1,2 \end{bmatrix}$$

$$L_{2255} = \begin{bmatrix} 1,0,0,8\\0,1,0,4\\0,0,1,3 \end{bmatrix}$$

$$L_{2256} = \begin{bmatrix} 1,0,0,8\\0,1,0,4\\0,0,1,4 \end{bmatrix}$$

$$L_{2257} = \begin{bmatrix} 1,0,0,8\\0,1,0,4\\0,0,1,5 \end{bmatrix}$$

$$L_{2258} = \begin{bmatrix} 1,0,0,8\\0,1,0,4\\0,0,1,6 \end{bmatrix}$$

$$L_{2259} = \begin{bmatrix} 1,0,0,8\\0,1,0,4\\0,0,1,7 \end{bmatrix}$$

$$L_{2260} = \begin{bmatrix} 1,0,0,8\\0,1,0,4\\0,0,1,8 \end{bmatrix}$$

$$L_{2261} = \begin{bmatrix} 1,0,0,8\\0,1,0,4\\0,0,1,9 \end{bmatrix}$$

$$L_{2262} = \begin{bmatrix} 1,0,0,8\\0,1,0,4\\0,0,1,10 \end{bmatrix}$$

$$L_{2263} = \begin{bmatrix} 1,0,0,8\\0,1,0,4\\0,0,1,11 \end{bmatrix}$$

$$L_{2264} = \begin{bmatrix} 1,0,0,8\\0,1,0,4\\0,0,1,11 \end{bmatrix}$$

$$L_{2265} = \begin{bmatrix} 1,0,0,8\\0,1,0,4\\0,0,1,11 \end{bmatrix}$$

$$L_{10} = \begin{bmatrix} 1,0,0,8\\0,1,0,4\\0,0,1,11 \end{bmatrix}$$

$$L_{11} = \begin{bmatrix} 1,0,0,8\\0,1,0,4\\0,0,1,12 \end{bmatrix}$$

$$L_{2265} = \begin{bmatrix} 1,0,0,8\\0,1,0,4\\0,0,1,13 \end{bmatrix}$$

$$L_{2266} = \begin{bmatrix} 1,0,0,8\\0,1,0,4\\0,0,1,14 \end{bmatrix} \\ 1,0,0,8\\0,1,0,4\\0,0,1,15 \end{bmatrix} \\ L_{2268} = \begin{bmatrix} 1,0,8,0\\0,1,4,0\\0,0,0,1 \end{bmatrix} \\ L_{2269} = \begin{bmatrix} 1,0,0,8\\0,1,0,5\\0,0,1,0 \end{bmatrix} \\ L_{2270} = \begin{bmatrix} 1,0,0,8\\0,1,0,5\\0,0,1,1 \end{bmatrix} \\ L_{2271} = \begin{bmatrix} 1,0,0,8\\0,1,0,5\\0,0,1,2 \end{bmatrix} \\ L_{2272} = \begin{bmatrix} 1,0,0,8\\0,1,0,5\\0,0,1,3 \end{bmatrix} \\ L_{2273} = \begin{bmatrix} 1,0,0,8\\0,1,0,5\\0,0,1,4 \end{bmatrix} \\ L_{2274} = \begin{bmatrix} 1,0,0,8\\0,1,0,5\\0,0,1,4 \end{bmatrix} \\ L_{2274} = \begin{bmatrix} 1,0,0,8\\0,1,0,5\\0,0,1,6 \end{bmatrix} \\ L_{2275} = \begin{bmatrix} 1,0,0,8\\0,1,0,5\\0,0,1,6 \end{bmatrix} \\ L_{2276} = \begin{bmatrix} 1,0,0,8\\0,1,0,5\\0,0,1,7 \end{bmatrix} \\ L_{2278} = \begin{bmatrix} 1,0,0,8\\0,1,0,5\\0,0,1,9 \end{bmatrix} \\ L_{2279} = \begin{bmatrix} 1,0,0,8\\0,1,0,5\\0,0,1,9 \end{bmatrix} \\ L_{2279} = \begin{bmatrix} 1,0,0,8\\0,1,0,5\\0,0,1,9 \end{bmatrix} \\ L_{2279} = \begin{bmatrix} 1,0,0,8\\0,1,0,5\\0,0,1,9 \end{bmatrix}$$

$$L_{2280} = \begin{bmatrix} 1,0,0,8\\0,1,0,5\\0,0,1,11 \end{bmatrix}$$

$$L_{2281} = \begin{bmatrix} 1,0,0,8\\0,1,0,5\\0,0,1,12 \end{bmatrix}$$

$$L_{2282} = \begin{bmatrix} 1,0,0,8\\0,1,0,5\\0,0,1,13 \end{bmatrix}$$

$$L_{2283} = \begin{bmatrix} 1,0,0,8\\0,1,0,5\\0,0,1,14 \end{bmatrix}$$

$$L_{2284} = \begin{bmatrix} 1,0,0,8\\0,1,0,5\\0,0,1,14 \end{bmatrix}$$

$$L_{2285} = \begin{bmatrix} 1,0,0,8\\0,1,0,5\\0,0,1,15 \end{bmatrix}$$

$$L_{2286} = \begin{bmatrix} 1,0,0,8\\0,1,0,6\\0,0,1,0 \end{bmatrix}$$

$$L_{2287} = \begin{bmatrix} 1,0,0,8\\0,1,0,6\\0,0,1,1 \end{bmatrix}$$

$$L_{2288} = \begin{bmatrix} 1,0,0,8\\0,1,0,6\\0,0,1,2 \end{bmatrix}$$

$$L_{2289} = \begin{bmatrix} 1,0,0,8\\0,1,0,6\\0,0,1,3 \end{bmatrix}$$

$$L_{2290} = \begin{bmatrix} 1,0,0,8\\0,1,0,6\\0,0,1,3 \end{bmatrix}$$

$$L_{2291} = \begin{bmatrix} 1,0,0,8\\0,1,0,6\\0,0,1,4 \end{bmatrix}$$

$$L_{2292} = \begin{bmatrix} 1,0,0,8\\0,1,0,6\\0,0,1,5 \end{bmatrix}$$

$$L_{2293} = \begin{bmatrix} 1,0,0,8\\0,1,0,6\\0,0,1,5 \end{bmatrix}$$

$$L_{2294} = \begin{bmatrix} 1,0,0,8\\0,1,0,6\\0,0,1,8 \end{bmatrix} \\ L_{2295} = \begin{bmatrix} 1,0,0,8\\0,1,0,6\\0,0,1,9 \end{bmatrix} \\ L_{2296} = \begin{bmatrix} 1,0,0,8\\0,1,0,6\\0,0,1,10 \end{bmatrix} \\ L_{2297} = \begin{bmatrix} 1,0,0,8\\0,1,0,6\\0,0,1,11 \end{bmatrix} \\ L_{2298} = \begin{bmatrix} 1,0,0,8\\0,1,0,6\\0,0,1,12 \end{bmatrix} \\ L_{2299} = \begin{bmatrix} 1,0,0,8\\0,1,0,6\\0,0,1,13 \end{bmatrix} \\ L_{2300} = \begin{bmatrix} 1,0,0,8\\0,1,0,6\\0,0,1,13 \end{bmatrix} \\ L_{2301} = \begin{bmatrix} 1,0,0,8\\0,1,0,6\\0,0,1,14 \end{bmatrix} \\ L_{2302} = \begin{bmatrix} 1,0,8,0\\0,0,0,1\\15 \end{bmatrix} \\ L_{2303} = \begin{bmatrix} 1,0,8,0\\0,1,0,6\\0,0,0,1 \end{bmatrix} \\ L_{2304} = \begin{bmatrix} 1,0,0,8\\0,1,0,7\\0,0,1,0 \end{bmatrix} \\ L_{2305} = \begin{bmatrix} 1,0,0,8\\0,1,0,7\\0,0,1,1 \end{bmatrix} \\ L_{2306} = \begin{bmatrix} 1,0,0,8\\0,1,0,7\\0,0,1,2\\1,0,0,8\\0,1,0,7\\0,0,1,3 \end{bmatrix} \\ L_{2307} = \begin{bmatrix} 1,0,0,8\\0,1,0,7\\0,0,1,3\\1,0,0,8\\0,1,0,7\\0,0,1,3 \end{bmatrix} \\ L_{2307} = \begin{bmatrix} 1,0,0,8\\0,1,0,7\\0,0,1,3\\1,0,0,8\\0,1,0,7\\0,0,1,4 \end{bmatrix}$$

$$L_{2308} = \begin{bmatrix} 1,0,0,8\\0,1,0,7\\0,0,1,5 \end{bmatrix} \\ L_{2309} = \begin{bmatrix} 1,0,0,8\\0,1,0,7\\0,0,1,6 \end{bmatrix} \\ L_{2310} = \begin{bmatrix} 1,0,0,8\\0,1,0,7\\0,0,1,7 \end{bmatrix} \\ L_{2311} = \begin{bmatrix} 1,0,0,8\\0,1,0,7\\0,0,1,8 \end{bmatrix} \\ L_{2312} = \begin{bmatrix} 1,0,0,8\\0,1,0,7\\0,0,1,9 \end{bmatrix} \\ L_{2313} = \begin{bmatrix} 1,0,0,8\\0,1,0,7\\0,0,1,10 \end{bmatrix} \\ L_{2314} = \begin{bmatrix} 1,0,0,8\\0,1,0,7\\0,0,1,11 \end{bmatrix} \\ L_{2315} = \begin{bmatrix} 1,0,0,8\\0,1,0,7\\0,0,1,11 \end{bmatrix} \\ L_{2316} = \begin{bmatrix} 1,0,0,8\\0,1,0,7\\0,0,1,13 \end{bmatrix} \\ L_{2317} = \begin{bmatrix} 1,0,0,8\\0,1,0,7\\0,0,1,14 \end{bmatrix} \\ L_{2319} = \begin{bmatrix} 1,0,0,8\\0,1,0,7\\0,0,1,15 \end{bmatrix} \\ L_{2320} = \begin{bmatrix} 1,0,0,8\\0,1,0,7\\0,0,0,1 \end{bmatrix} \\ L_{2320} = \begin{bmatrix} 1,0,0,8\\0,1,0,8\\0,1,0,8\\0,0,1,0 \end{bmatrix} \\ L_{2321} = \begin{bmatrix} 1,0,0,8\\0,1,0,8\\0,0,1,0 \end{bmatrix} \\ L_{2321} = \begin{bmatrix} 1,0,0,8\\0,1,0,8\\0,0,1,0 \end{bmatrix} \\ L_{2321} = \begin{bmatrix} 1,0,0,8\\0,1,0,8\\0,0,1,0 \end{bmatrix} \\ L_{2321} = \begin{bmatrix} 1,0,0,8\\0,0,1,0\\0,0,0,1 \end{bmatrix} \\ L_{2321} = \begin{bmatrix} 1,0,0,8\\0,0,1,0\\0,0,1,1 \end{bmatrix}$$

$$L_{2322} = \begin{bmatrix} 1,0,0,8\\0,1,0,8\\0,0,1,2 \end{bmatrix} \\ L_{2323} = \begin{bmatrix} 1,0,0,8\\0,0,1,3 \end{bmatrix} \\ L_{2324} = \begin{bmatrix} 1,0,0,8\\0,0,1,3 \end{bmatrix} \\ L_{2324} = \begin{bmatrix} 1,0,0,8\\0,0,1,4 \end{bmatrix} \\ L_{2325} = \begin{bmatrix} 1,0,0,8\\0,0,1,5 \end{bmatrix} \\ L_{2326} = \begin{bmatrix} 1,0,0,8\\0,0,1,6 \end{bmatrix} \\ L_{2327} = \begin{bmatrix} 1,0,0,8\\0,0,1,6 \end{bmatrix} \\ L_{2329} = \begin{bmatrix} 1,0,0,8\\0,0,1,7 \end{bmatrix} \\ L_{2329} = \begin{bmatrix} 1,0,0,8\\0,0,1,7 \end{bmatrix} \\ L_{2330} = \begin{bmatrix} 1,0,0,8\\0,0,1,9 \end{bmatrix} \\ L_{2331} = \begin{bmatrix} 1,0,0,8\\0,0,1,10 \end{bmatrix} \\ L_{2332} = \begin{bmatrix} 1,0,0,8\\0,1,0,8\\0,0,1,11 \end{bmatrix} \\ L_{2332} = \begin{bmatrix} 1,0,0,8\\0,1,0,8\\0,0,1,12 \end{bmatrix} \\ L_{2333} = \begin{bmatrix} 1,0,0,8\\0,0,1,12 \end{bmatrix} \\ L_{2334} = \begin{bmatrix} 1,0,0,8\\0,0,1,13 \end{bmatrix} \\ L_{2335} = \begin{bmatrix} 1,0,0,8\\0,0,1,14 \end{bmatrix} \\ L_{10},0,8\\0,0,1,14 \end{bmatrix} \\ L_{2335} = \begin{bmatrix} 1,0,0,8\\0,0,1,14 \end{bmatrix} \\ L_{10},0,8\\0,0,1,15 \end{bmatrix}$$

$$L_{2336} = egin{bmatrix} 1,0,8,0 \ 0,1,8,0 \ 0,0,0,1 \end{bmatrix} \ L_{2337} = egin{bmatrix} 1,0,0,8 \ 0,1,0,9 \ 0,0,1,1 \end{bmatrix} \ L_{2338} = egin{bmatrix} 1,0,0,8 \ 0,1,0,9 \ 0,0,1,2 \end{bmatrix} \ L_{2340} = egin{bmatrix} 1,0,0,8 \ 0,1,0,9 \ 0,0,1,3 \end{bmatrix} \ L_{2341} = egin{bmatrix} 1,0,0,8 \ 0,1,0,9 \ 0,0,1,4 \end{bmatrix} \ L_{2342} = egin{bmatrix} 1,0,0,8 \ 0,1,0,9 \ 0,0,1,5 \end{bmatrix} \ L_{2343} = egin{bmatrix} 1,0,0,8 \ 0,1,0,9 \ 0,0,1,7 \end{bmatrix} \ L_{2344} = egin{bmatrix} 1,0,0,8 \ 0,1,0,9 \ 0,0,1,7 \end{bmatrix} \ L_{2345} = egin{bmatrix} 1,0,0,8 \ 0,1,0,9 \ 0,0,1,9 \end{bmatrix} \ L_{2346} = egin{bmatrix} 1,0,0,8 \ 0,1,0,9 \ 0,0,1,10 \end{bmatrix} \ L_{2348} = egin{bmatrix} 1,0,0,8 \ 0,1,0,9 \ 0,0,1,10 \end{bmatrix} \ L_{2349} = egin{bmatrix} 1,0,0,8 \ 0,1,0,9 \ 0,0,1,11 \end{bmatrix} \ L_{2349} = egin{bmatrix} 1,0,0,8 \ 0,1,0,9 \ 0,0,1,11 \end{bmatrix} \ L_{2349} = egin{bmatrix} 1,0,0,8 \ 0,1,0,9 \ 0,0,1,12 \end{bmatrix}$$

$$L_{2350} = \begin{bmatrix} 1,0,0,8\\0,1,0,9\\0,0,1,13 \end{bmatrix} \\ L_{2351} = \begin{bmatrix} 1,0,0,8\\0,1,0,9\\0,0,1,14 \end{bmatrix} \\ L_{2352} = \begin{bmatrix} 1,0,0,8\\0,1,0,9\\0,0,1,15 \end{bmatrix} \\ L_{2353} = \begin{bmatrix} 1,0,8,0\\0,1,9,0\\0,0,0,1 \end{bmatrix} \\ L_{2354} = \begin{bmatrix} 1,0,0,8\\0,1,0,10\\0,0,1,0 \end{bmatrix} \\ L_{2355} = \begin{bmatrix} 1,0,0,8\\0,1,0,10\\0,0,1,1 \end{bmatrix} \\ L_{2356} = \begin{bmatrix} 1,0,0,8\\0,1,0,10\\0,0,1,2 \end{bmatrix} \\ L_{2357} = \begin{bmatrix} 1,0,0,8\\0,1,0,10\\0,0,1,3 \end{bmatrix} \\ L_{2358} = \begin{bmatrix} 1,0,0,8\\0,1,0,10\\0,0,1,4 \end{bmatrix} \\ L_{2359} = \begin{bmatrix} 1,0,0,8\\0,1,0,10\\0,0,1,5 \end{bmatrix} \\ L_{2360} = \begin{bmatrix} 1,0,0,8\\0,1,0,10\\0,0,1,6 \end{bmatrix} \\ 1,0,0,8\\0,1,0,10\\0,0,1,6 \end{bmatrix} \\ L_{2361} = \begin{bmatrix} 1,0,0,8\\0,1,0,10\\0,0,1,7 \end{bmatrix} \\ L_{2362} = \begin{bmatrix} 1,0,0,8\\0,1,0,10\\0,0,1,8 \end{bmatrix} \\ 1,0,0,8\\0,1,0,10\\0,0,1,9 \end{bmatrix}$$

$$L_{2364} = egin{bmatrix} 1,0,0,8 \ 0,1,0,10 \ 0,0,1,10 \end{bmatrix} \ L_{2365} = egin{bmatrix} 1,0,0,8 \ 0,1,0,10 \ 0,0,1,11 \end{bmatrix} \ L_{2366} = egin{bmatrix} 1,0,0,8 \ 0,1,0,10 \ 0,0,1,13 \end{bmatrix} \ L_{2367} = egin{bmatrix} 1,0,0,8 \ 0,1,0,10 \ 0,0,1,14 \end{bmatrix} \ L_{2369} = egin{bmatrix} 1,0,0,8 \ 0,1,0,10 \ 0,0,1,15 \end{bmatrix} \ L_{2370} = egin{bmatrix} 1,0,0,8 \ 0,1,0,10 \ 0,0,1,1 \end{bmatrix} \ L_{2372} = egin{bmatrix} 1,0,0,8 \ 0,1,0,11 \ 0,0,1,0 \end{bmatrix} \ L_{2373} = egin{bmatrix} 1,0,0,8 \ 0,1,0,11 \ 0,0,1,2 \ 1,0,0,8 \ 0,1,0,11 \ 0,0,1,3 \end{bmatrix} \ L_{2375} = egin{bmatrix} 1,0,0,8 \ 0,1,0,11 \ 0,0,1,3 \ 1,0,0,8 \ 0,1,0,11 \ 0,0,1,4 \ 1,0,0,8 \ 0,1,0,11 \ 0,0,1,5 \ 1,0,0,8 \ 0,1,0,11 \ 0,0,1,5 \ 1,0,0,8 \ 0,1,0,11 \ 0,0,1,5 \ 1,0,0,8 \ 0,1,0,11 \ 0,0,1,6 \ \end{bmatrix}$$

$$L_{2378} = \begin{bmatrix} 1,0,0,8\\0,1,0,11\\0,0,1,7 \end{bmatrix}$$

$$L_{2379} = \begin{bmatrix} 1,0,0,8\\0,1,0,11\\0,0,1,8 \end{bmatrix}$$

$$L_{2380} = \begin{bmatrix} 1,0,0,8\\0,1,0,11\\0,0,1,9 \end{bmatrix}$$

$$L_{2381} = \begin{bmatrix} 1,0,0,8\\0,1,0,11\\0,0,1,10 \end{bmatrix}$$

$$L_{2382} = \begin{bmatrix} 1,0,0,8\\0,1,0,11\\0,0,1,10 \end{bmatrix}$$

$$L_{2383} = \begin{bmatrix} 1,0,0,8\\0,1,0,11\\0,0,1,11 \end{bmatrix}$$

$$L_{2384} = \begin{bmatrix} 1,0,0,8\\0,1,0,11\\0,0,1,12 \end{bmatrix}$$

$$L_{2384} = \begin{bmatrix} 1,0,0,8\\0,1,0,11\\0,0,1,13 \end{bmatrix}$$

$$L_{2385} = \begin{bmatrix} 1,0,0,8\\0,1,0,11\\0,0,1,14 \end{bmatrix}$$

$$L_{2386} = \begin{bmatrix} 1,0,0,8\\0,1,0,11\\0,0,1,15 \end{bmatrix}$$

$$L_{2387} = \begin{bmatrix} 1,0,0,8\\0,1,0,11\\0,0,1,15 \end{bmatrix}$$

$$L_{2388} = \begin{bmatrix} 1,0,0,8\\0,1,0,11\\0,0,0,1,15 \end{bmatrix}$$

$$L_{2389} = \begin{bmatrix} 1,0,0,8\\0,1,0,12\\0,0,1,0 \end{bmatrix}$$

$$L_{2390} = \begin{bmatrix} 1,0,0,8\\0,1,0,12\\0,0,1,2\\1,0,0,8\\0,1,0,12\\0,0,1,2 \end{bmatrix}$$

$$L_{2391} = \begin{bmatrix} 1,0,0,8\\0,1,0,12\\0,0,1,2\\0,0,1,3 \end{bmatrix}$$

$$L_{2392} = \begin{bmatrix} 1,0,0,8\\0,1,0,12\\0,0,1,4 \end{bmatrix} \\ 1,0,0,8\\1,0,0,15 \end{bmatrix}$$

$$L_{2394} = \begin{bmatrix} 1,0,0,8\\0,1,0,12\\0,0,1,5 \end{bmatrix} \\ L_{2395} = \begin{bmatrix} 1,0,0,8\\0,1,0,12\\0,0,1,7 \end{bmatrix} \\ 1,0,0,8\\0,1,0,12\\0,0,1,7 \end{bmatrix}$$

$$L_{2396} = \begin{bmatrix} 1,0,0,8\\0,1,0,12\\0,0,1,8 \end{bmatrix} \\ 1,0,0,8\\0,1,0,12\\0,0,1,10 \end{bmatrix}$$

$$L_{2398} = \begin{bmatrix} 1,0,0,8\\0,1,0,12\\0,0,1,10 \end{bmatrix} \\ 1,0,0,8\\0,1,0,12\\0,0,1,11 \end{bmatrix}$$

$$L_{2400} = \begin{bmatrix} 1,0,0,8\\0,1,0,12\\0,0,1,11 \end{bmatrix} \\ 1,0,0,8\\0,1,0,12\\0,0,1,13 \end{bmatrix}$$

$$L_{2402} = \begin{bmatrix} 1,0,0,8\\0,1,0,12\\0,0,1,13 \end{bmatrix} \\ 1,0,0,8\\0,1,0,12\\0,0,1,14 \end{bmatrix}$$

$$L_{2403} = \begin{bmatrix} 1,0,0,8\\0,1,0,12\\0,0,1,15\\1,0,0,8\\0,1,0,12\\0,0,1,15 \end{bmatrix}$$

$$L_{2404} = \begin{bmatrix} 1,0,8,0\\0,1,0,12\\0,0,1,15\\1,0,0,8\\0,1,0,12\\0,0,1,15 \end{bmatrix}$$

$$L_{2405} = \begin{bmatrix} 1,0,8,0\\0,1,0,12\\0,0,0,1\\0,0,0,1\\0 \end{bmatrix}$$

$$L_{2406} = \begin{bmatrix} 1,0,0,8\\0,1,0,13\\0,0,1,1 \end{bmatrix} \\ 1,0,0,8\\ 0,1,0,13\\0,0,1,2 \end{bmatrix} \\ L_{2408} = \begin{bmatrix} 1,0,0,8\\0,1,0,13\\0,0,1,3 \end{bmatrix} \\ 1,0,0,8\\0,1,0,13\\0,0,1,4 \end{bmatrix} \\ L_{2410} = \begin{bmatrix} 1,0,0,8\\0,1,0,13\\0,0,1,5 \end{bmatrix} \\ 1,0,0,8\\0,1,0,13\\0,0,1,5 \end{bmatrix} \\ L_{2411} = \begin{bmatrix} 1,0,0,8\\0,1,0,13\\0,0,1,6 \end{bmatrix} \\ 1,0,0,8\\0,1,0,13\\0,0,1,7 \end{bmatrix} \\ L_{2412} = \begin{bmatrix} 1,0,0,8\\0,1,0,13\\0,0,1,7 \end{bmatrix} \\ 1,0,0,8\\0,1,0,13\\0,0,1,10 \end{bmatrix} \\ L_{2414} = \begin{bmatrix} 1,0,0,8\\0,1,0,13\\0,0,1,10 \end{bmatrix} \\ 1,0,0,8\\0,1,0,13\\0,0,1,11 \end{bmatrix} \\ L_{2416} = \begin{bmatrix} 1,0,0,8\\0,1,0,13\\0,0,1,11 \end{bmatrix} \\ 1,0,0,8\\0,1,0,13\\0,0,1,12 \end{bmatrix} \\ L_{2418} = \begin{bmatrix} 1,0,0,8\\0,1,0,13\\0,0,1,13\\0,0,1,13 \end{bmatrix} \\ 1,0,0,8\\0,1,0,13\\0,0,1,13 \end{bmatrix} \\ 1,0,0,8\\0,1,0,13\\0,0,1,14 \end{bmatrix}$$

$$L_{2420} = \begin{bmatrix} 1,0,0,8\\0,1,0,13\\0,0,1,15 \end{bmatrix} \\ 1,0,8,0\\0,0,0,1\\1 \end{bmatrix} \\ L_{2421} = \begin{bmatrix} 1,0,0,8\\0,1,0,3,0\\0,0,0,1\\1 \end{bmatrix} \\ L_{2422} = \begin{bmatrix} 1,0,0,8\\0,1,0,14\\0,0,1,0\\1 \end{bmatrix} \\ L_{2423} = \begin{bmatrix} 1,0,0,8\\0,1,0,14\\0,0,1,1 \end{bmatrix} \\ L_{2424} = \begin{bmatrix} 1,0,0,8\\0,1,0,14\\0,0,1,2\\1,0,0,8\\0,1,0,14\\0,0,1,3 \end{bmatrix} \\ L_{2425} = \begin{bmatrix} 1,0,0,8\\0,1,0,14\\0,0,1,3\\1,0,0,8\\0,1,0,14\\0,0,1,5\\1,0,0,8\\0,1,0,14\\0,0,1,5 \end{bmatrix} \\ L_{2429} = \begin{bmatrix} 1,0,0,8\\0,1,0,14\\0,0,1,6\\1,0,0,8\\0,1,0,14\\0,0,1,7 \end{bmatrix} \\ L_{2430} = \begin{bmatrix} 1,0,0,8\\0,1,0,14\\0,0,1,7\\1,0,0,8\\0,1,0,14\\0,0,1,8\\1,0,0,8\\0,1,0,14\\0,0,1,9\\1,0,0,8\\0,1,0,14\\0,0,1,10 \end{bmatrix} \\ L_{2432} = \begin{bmatrix} 1,0,0,8\\0,1,0,14\\0,0,1,9\\1,0,0,8\\0,1,0,14\\0,0,1,10 \end{bmatrix} \\ L_{2433} = \begin{bmatrix} 1,0,0,8\\0,1,0,14\\0,0,1,10\\0,0,1,11 \end{bmatrix}$$

$$L_{2434} = egin{bmatrix} 1,0,0,8 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{2435} = egin{bmatrix} 1,0,0,8 \ 0,1,0,14 \ 0,0,1,13 \ \end{bmatrix} \ L_{2436} = egin{bmatrix} 1,0,0,8 \ 0,1,0,14 \ 0,0,1,15 \ \end{bmatrix} \ L_{2437} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,0 \ \end{bmatrix} \ L_{2439} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,0 \ \end{bmatrix} \ L_{2440} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,1 \ \end{bmatrix} \ L_{2441} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{2442} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,3 \ \end{bmatrix} \ L_{2444} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,4 \ \end{bmatrix} \ L_{2444} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,5 \ \end{bmatrix} \ L_{2446} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,6 \ \end{bmatrix} \ L_{2446} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,6 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,7 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2447} = egin{bmatrix} 1,$$

$$L_{2448} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,9 \ \end{bmatrix} \ L_{2449} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,11 \ \end{bmatrix} \ L_{2450} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,12 \ \end{bmatrix} \ L_{2451} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,13 \ \end{bmatrix} \ L_{2452} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,13 \ \end{bmatrix} \ L_{2453} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{2454} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{2455} = egin{bmatrix} 1,0,0,8 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{2456} = egin{bmatrix} 1,0,0,9 \ 0,0,0,1 \ \end{bmatrix} \ L_{2457} = egin{bmatrix} 1,0,0,9 \ 0,0,1,0 \ \end{bmatrix} \ L_{2458} = egin{bmatrix} 1,0,0,9 \ 0,0,1,2 \ \end{bmatrix} \ L_{2459} = egin{bmatrix} 1,0,0,9 \ 0,0,1,2 \ \end{bmatrix} \ L_{2460} = egin{bmatrix} 1,0,0,9 \ 0,0,1,3 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,9 \ 0,0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,0 \ 0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,0 \ 0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1,4 \ \end{bmatrix} \ L_{2461} = egin{bmatri$$

$$L_{2462} = egin{bmatrix} 1,0,0,9 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{2463} = egin{bmatrix} 1,0,0,9 \ 0,1,0,0 \ 0,0,1,7 \ \end{bmatrix} \ L_{2464} = egin{bmatrix} 1,0,0,9 \ 0,1,0,0 \ 0,0,1,8 \ \end{bmatrix} \ L_{2465} = egin{bmatrix} 1,0,0,9 \ 0,1,0,0 \ 0,0,1,10 \ \end{bmatrix} \ L_{2466} = egin{bmatrix} 1,0,0,9 \ 0,1,0,0 \ 0,0,1,10 \ \end{bmatrix} \ L_{2468} = egin{bmatrix} 1,0,0,9 \ 0,1,0,0 \ 0,0,1,11 \ \end{bmatrix} \ L_{2469} = egin{bmatrix} 1,0,0,9 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{2470} = egin{bmatrix} 1,0,0,9 \ 0,1,0,0 \ 0,0,1,13 \ \end{bmatrix} \ L_{2472} = egin{bmatrix} 1,0,0,9 \ 0,1,0,0 \ 0,0,1,15 \ \end{bmatrix} \ L_{2473} = egin{bmatrix} 1,0,0,9 \ 0,1,0,0 \ 0,0,1,15 \ \end{bmatrix} \ L_{2474} = egin{bmatrix} 1,0,0,9 \ 0,1,0,0 \ 0,0,1,15 \ \end{bmatrix} \ L_{2475} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,0,1 \ 0,0,1,0,1 \ 0,0,1,0,1 \ 0,0,1,1 \ \end{bmatrix} \ L_{2475} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,0,1 \ 0,0,1,0,1 \ 0,0,1,0,1 \ 0,0,1,0,1 \ 0,0,1,0,1 \ 0,0,1,1 \ \end{bmatrix}$$

$$L_{2476} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,2 \end{bmatrix} \ L_{2477} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,4 \end{bmatrix} \ L_{2478} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,5 \end{bmatrix} \ L_{2480} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,6 \end{bmatrix} \ L_{2481} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,7 \end{bmatrix} \ L_{2482} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,9 \end{bmatrix} \ L_{2484} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,10 \end{bmatrix} \ L_{2485} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,11 \end{bmatrix} \ L_{2486} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,12 \end{bmatrix} \ L_{2487} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,13 \end{bmatrix} \ L_{2489} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,14 \end{bmatrix} \ L_{2489} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{2489} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{2489} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{2489} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{2489} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{2489} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{2489} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{2489} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{2489} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{2489} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{2489} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,15 \end{bmatrix} \ L_{2489} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,15 \ 0,0,1,15 \end{bmatrix} \ L_{2489} = egin{bmatrix} 1,0,0,9 \ 0,1,0,1 \ 0,0,1,15$$

$$L_{2490} = egin{bmatrix} 1,0,9,0 \ 0,1,1,0 \ 0,0,0,1 \end{bmatrix} \ L_{2491} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,1 \end{bmatrix} \ L_{2492} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,2 \end{bmatrix} \ L_{2493} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,3 \end{bmatrix} \ L_{2494} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,4 \end{bmatrix} \ L_{2495} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,5 \end{bmatrix} \ L_{2497} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,6 \end{bmatrix} \ L_{2498} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,7 \end{bmatrix} \ L_{2499} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,9 \end{bmatrix} \ L_{2500} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,10 \end{bmatrix} \ L_{2502} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,10 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,11 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,11 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,11 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0,0,1,12 \end{bmatrix} \ L_{2503} = egin{bmatrix} 1,0,0,9 \ 0,1,0,2 \ 0$$

$$L_{2504} = \begin{bmatrix} 1,0,0,9\\0,1,0,2\\0,0,1,13 \end{bmatrix} \\ L_{2505} = \begin{bmatrix} 1,0,0,9\\0,1,0,2\\0,0,1,14 \end{bmatrix} \\ L_{2506} = \begin{bmatrix} 1,0,0,9\\0,1,0,2\\0,0,1,15 \end{bmatrix} \\ L_{2507} = \begin{bmatrix} 1,0,9,0\\0,1,2,0\\0,0,0,1 \end{bmatrix} \\ L_{2508} = \begin{bmatrix} 1,0,0,9\\0,1,0,3\\0,0,1,0 \end{bmatrix} \\ L_{2509} = \begin{bmatrix} 1,0,0,9\\0,1,0,3\\0,0,1,1 \end{bmatrix} \\ L_{2510} = \begin{bmatrix} 1,0,0,9\\0,1,0,3\\0,0,1,2 \end{bmatrix} \\ L_{2511} = \begin{bmatrix} 1,0,0,9\\0,1,0,3\\0,0,1,3 \end{bmatrix} \\ L_{2512} = \begin{bmatrix} 1,0,0,9\\0,1,0,3\\0,0,1,4 \end{bmatrix} \\ L_{2513} = \begin{bmatrix} 1,0,0,9\\0,1,0,3\\0,0,1,5 \end{bmatrix} \\ L_{2514} = \begin{bmatrix} 1,0,0,9\\0,1,0,3\\0,0,1,6 \end{bmatrix} \\ L_{2515} = \begin{bmatrix} 1,0,0,9\\0,1,0,3\\0,0,1,6 \end{bmatrix} \\ L_{2516} = \begin{bmatrix} 1,0,0,9\\0,1,0,3\\0,0,1,7 \end{bmatrix} \\ L_{2516} = \begin{bmatrix} 1,0,0,9\\0,1,0,3\\0,0,1,8 \end{bmatrix} \\ L_{2517} = \begin{bmatrix} 1,0,0,9\\0,1,0,3\\0,0,1,9 \end{bmatrix}$$

$$L_{2518} = \begin{bmatrix} 1,0,0,9\\0,1,0,3\\0,0,1,10 \end{bmatrix}$$

$$L_{2519} = \begin{bmatrix} 1,0,0,9\\0,1,0,3\\0,0,1,11 \end{bmatrix}$$

$$L_{2520} = \begin{bmatrix} 1,0,0,9\\0,1,0,3\\0,0,1,12 \end{bmatrix}$$

$$L_{2521} = \begin{bmatrix} 1,0,0,9\\0,1,0,3\\0,0,1,13 \end{bmatrix}$$

$$L_{2522} = \begin{bmatrix} 1,0,0,9\\0,1,0,3\\0,0,1,14 \end{bmatrix}$$

$$L_{2523} = \begin{bmatrix} 1,0,0,9\\0,1,0,3\\0,0,1,15 \end{bmatrix}$$

$$L_{2524} = \begin{bmatrix} 1,0,9,0\\0,1,3,0\\0,0,0,1 \end{bmatrix}$$

$$L_{2524} = \begin{bmatrix} 1,0,0,9\\0,1,0,3\\0,0,0,1,15 \end{bmatrix}$$

$$L_{2525} = \begin{bmatrix} 1,0,0,9\\0,1,0,4\\0,0,1,0 \end{bmatrix}$$

$$L_{2526} = \begin{bmatrix} 1,0,0,9\\0,1,0,4\\0,0,1,2 \end{bmatrix}$$

$$L_{2527} = \begin{bmatrix} 1,0,0,9\\0,1,0,4\\0,0,1,3 \end{bmatrix}$$

$$L_{2529} = \begin{bmatrix} 1,0,0,9\\0,1,0,4\\0,0,1,3 \end{bmatrix}$$

$$L_{2530} = \begin{bmatrix} 1,0,0,9\\0,1,0,4\\0,0,1,5 \end{bmatrix}$$

$$L_{2531} = \begin{bmatrix} 1,0,0,9\\0,1,0,4\\0,0,1,5 \end{bmatrix}$$

$$L_{10} = \begin{bmatrix} 1,0,0,9\\0,1,0,4\\0,0,1,5 \end{bmatrix}$$

$$L_{2531} = \begin{bmatrix} 1,0,0,9\\0,1,0,4\\0,0,1,5 \end{bmatrix}$$

$$L_{2532} = egin{bmatrix} 1,0,0,9 \ 0,1,0,4 \ 0,0,1,7 \end{bmatrix} \ L_{2533} = egin{bmatrix} 1,0,0,9 \ 0,1,0,4 \ 0,0,1,9 \end{bmatrix} \ L_{2534} = egin{bmatrix} 1,0,0,9 \ 0,1,0,4 \ 0,0,1,10 \end{bmatrix} \ L_{2535} = egin{bmatrix} 1,0,0,9 \ 0,1,0,4 \ 0,0,1,11 \end{bmatrix} \ L_{2536} = egin{bmatrix} 1,0,0,9 \ 0,1,0,4 \ 0,0,1,12 \end{bmatrix} \ L_{2538} = egin{bmatrix} 1,0,0,9 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2539} = egin{bmatrix} 1,0,0,9 \ 0,1,0,4 \ 0,0,1,14 \end{bmatrix} \ L_{2540} = egin{bmatrix} 1,0,0,9 \ 0,1,0,4 \ 0,0,1,15 \end{bmatrix} \ L_{2541} = egin{bmatrix} 1,0,0,9 \ 0,1,0,4 \ 0,0,1,15 \end{bmatrix} \ L_{2542} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,0 \end{bmatrix} \ L_{2543} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,2 \end{bmatrix} \ L_{2544} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,2 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,2 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,2 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,2 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,3 \end{bmatrix} \ L_{2545$$

$$L_{2546} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,4 \end{bmatrix} \ L_{2547} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,6 \end{bmatrix} \ L_{2548} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,7 \end{bmatrix} \ L_{2550} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,9 \end{bmatrix} \ L_{2551} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,10 \end{bmatrix} \ L_{2552} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{2554} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,11 \end{bmatrix} \ L_{2555} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,13 \end{bmatrix} \ L_{2556} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,13 \end{bmatrix} \ L_{2557} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,15 \end{bmatrix} \ L_{2558} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,15 \end{bmatrix} \ L_{2559} = egin{bmatrix} 1,0,0,9 \ 0,1,0,5 \ 0,0,1,15 \end{bmatrix} \ l_{1},0,0,9 \ 0,1,0,5 \ 0,0,1,15 \end{bmatrix} \ l_{1},0,0,9 \ 0,1,0,5 \ 0,0,1,15 \end{bmatrix} \ l_{1},0,0,9 \ 0,1,0,5 \ 0,0,1,15 \end{bmatrix} \ l_{2559} = egin{bmatrix} 1,0,0,9 \ 0,1,0,6 \ 0,0,1,0 \end{bmatrix} \ l_{1},0,0,9 \ 0,1,0,6 \ 0,0,1,0 \end{bmatrix}$$

$$L_{2560} = \begin{bmatrix} 1,0,0,9\\0,1,0,6\\0,0,1,1 \end{bmatrix} \\ L_{2561} = \begin{bmatrix} 1,0,0,9\\0,1,0,6\\0,0,1,2 \end{bmatrix} \\ L_{2562} = \begin{bmatrix} 1,0,0,9\\0,1,0,6\\0,0,1,3 \end{bmatrix} \\ L_{2563} = \begin{bmatrix} 1,0,0,9\\0,1,0,6\\0,0,1,4 \end{bmatrix} \\ L_{2564} = \begin{bmatrix} 1,0,0,9\\0,1,0,6\\0,0,1,5 \end{bmatrix} \\ L_{2565} = \begin{bmatrix} 1,0,0,9\\0,1,0,6\\0,0,1,6 \end{bmatrix} \\ L_{2566} = \begin{bmatrix} 1,0,0,9\\0,1,0,6\\0,0,1,7 \end{bmatrix} \\ L_{2567} = \begin{bmatrix} 1,0,0,9\\0,1,0,6\\0,0,1,8 \end{bmatrix} \\ L_{2569} = \begin{bmatrix} 1,0,0,9\\0,1,0,6\\0,0,1,10 \end{bmatrix} \\ L_{2570} = \begin{bmatrix} 1,0,0,9\\0,1,0,6\\0,0,1,11 \end{bmatrix} \\ L_{2571} = \begin{bmatrix} 1,0,0,9\\0,1,0,6\\0,0,1,12 \end{bmatrix} \\ L_{2572} = \begin{bmatrix} 1,0,0,9\\0,1,0,6\\0,0,1,13 \end{bmatrix} \\ L_{2573} = \begin{bmatrix} 1,0,0,9\\0,1,0,6\\0,0,1,13 \end{bmatrix} \\ L_{10} = \begin{bmatrix} 1,0,0,9\\0,1,0,6\\0,0,1,13 \end{bmatrix} \\ L_{10} = \begin{bmatrix} 1,0,0,9\\0,1,0,6\\0,0,1,14 \end{bmatrix}$$

$$L_{2574} = egin{bmatrix} 1,0,0,9 \ 0,1,0,6 \ 0,0,1,15 \end{bmatrix} \ L_{2575} = egin{bmatrix} 1,0,9,0 \ 0,1,6,0 \ 0,0,0,1 \end{bmatrix} \ L_{2576} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,0 \end{bmatrix} \ L_{2577} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,2 \end{bmatrix} \ L_{2578} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,3 \end{bmatrix} \ L_{2580} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,4 \end{bmatrix} \ L_{2581} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,5 \end{bmatrix} \ L_{2582} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,6 \end{bmatrix} \ L_{2583} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,7 \end{bmatrix} \ L_{2584} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,9 \end{bmatrix} \ L_{2586} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,10 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,10 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0,0,1,11 \end{bmatrix} \ L_{2587} = egin{bmatrix} 1,0,0,9 \ 0,1,0,7 \ 0$$

$$L_{2588} = \begin{bmatrix} 1,0,0,9\\0,1,0,7\\0,0,1,12 \end{bmatrix} \\ 0,1,0,7\\0,0,1,13 \end{bmatrix}$$

$$L_{2589} = \begin{bmatrix} 1,0,0,9\\0,1,0,7\\0,0,1,14 \end{bmatrix} \\ 1,0,0,9\\0,1,0,7\\0,0,1,14 \end{bmatrix}$$

$$L_{2591} = \begin{bmatrix} 1,0,9,0\\0,1,0,7\\0,0,1,15 \end{bmatrix} \\ L_{2592} = \begin{bmatrix} 1,0,0,9\\0,1,7,0\\0,0,0,1 \end{bmatrix} \\ L_{2593} = \begin{bmatrix} 1,0,0,9\\0,1,0,8\\0,0,1,0 \end{bmatrix} \\ L_{2594} = \begin{bmatrix} 1,0,0,9\\0,1,0,8\\0,0,1,1 \end{bmatrix} \\ L_{2595} = \begin{bmatrix} 1,0,0,9\\0,1,0,8\\0,0,1,2 \end{bmatrix} \\ L_{2596} = \begin{bmatrix} 1,0,0,9\\0,1,0,8\\0,0,1,3 \end{bmatrix} \\ L_{2597} = \begin{bmatrix} 1,0,0,9\\0,1,0,8\\0,0,1,4 \end{bmatrix} \\ L_{2598} = \begin{bmatrix} 1,0,0,9\\0,1,0,8\\0,0,1,5 \end{bmatrix} \\ L_{2599} = \begin{bmatrix} 1,0,0,9\\0,1,0,8\\0,0,1,5 \end{bmatrix} \\ L_{2600} = \begin{bmatrix} 1,0,0,9\\0,1,0,8\\0,0,1,7 \end{bmatrix} \\ L_{2601} = \begin{bmatrix} 1,0,0,9\\0,1,0,8\\0,0,1,8 \end{bmatrix}$$

$$L_{2602} = egin{bmatrix} 1,0,0,9 \ 0,1,0,8 \ 0,0,1,9 \end{bmatrix} \ L_{2603} = egin{bmatrix} 1,0,0,9 \ 0,1,0,8 \ 0,0,1,11 \end{bmatrix} \ L_{2604} = egin{bmatrix} 1,0,0,9 \ 0,1,0,8 \ 0,0,1,12 \end{bmatrix} \ L_{2605} = egin{bmatrix} 1,0,0,9 \ 0,1,0,8 \ 0,0,1,13 \end{bmatrix} \ L_{2606} = egin{bmatrix} 1,0,0,9 \ 0,1,0,8 \ 0,0,1,14 \end{bmatrix} \ L_{2607} = egin{bmatrix} 1,0,0,9 \ 0,1,0,8 \ 0,0,1,15 \end{bmatrix} \ L_{2609} = egin{bmatrix} 1,0,0,9 \ 0,1,0,8 \ 0,0,1,15 \end{bmatrix} \ L_{2610} = egin{bmatrix} 1,0,0,9 \ 0,1,0,9 \ 0,0,1,0 \end{bmatrix} \ L_{2611} = egin{bmatrix} 1,0,0,9 \ 0,0,1,0 \end{bmatrix} \ L_{2612} = egin{bmatrix} 1,0,0,9 \ 0,0,1,2 \ 1,0,0,9 \ 0,0,1,2 \end{bmatrix} \ L_{2613} = egin{bmatrix} 1,0,0,9 \ 0,0,1,3 \ 1,0,0,9 \ 0,0,1,4 \end{bmatrix} \ L_{2614} = egin{bmatrix} 1,0,0,9 \ 0,0,1,4 \ 1,0,0,9 \ 0,0,1,5 \end{bmatrix} \ L_{2615} = egin{bmatrix} 1,0,0,9 \ 0,0,1,5 \ 0,0,1,5 \ 0,0,1,5 \ 0,0,1,5 \end{bmatrix}$$

$$L_{2616} = egin{bmatrix} 1,0,0,9 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix} \ L_{2617} = egin{bmatrix} 1,0,0,9 \ 0,1,0,9 \ 0,0,1,8 \ \end{bmatrix} \ L_{2618} = egin{bmatrix} 1,0,0,9 \ 0,1,0,9 \ 0,0,1,9 \ \end{bmatrix} \ L_{2620} = egin{bmatrix} 1,0,0,9 \ 0,0,1,10 \ \end{bmatrix} \ L_{2621} = egin{bmatrix} 1,0,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{2622} = egin{bmatrix} 1,0,0,9 \ 0,0,1,12 \ \end{bmatrix} \ L_{2623} = egin{bmatrix} 1,0,0,9 \ 0,0,1,13 \ \end{bmatrix} \ L_{2624} = egin{bmatrix} 1,0,0,9 \ 0,0,1,13 \ \end{bmatrix} \ L_{2625} = egin{bmatrix} 1,0,0,9 \ 0,0,1,14 \ \end{bmatrix} \ L_{2626} = egin{bmatrix} 1,0,0,9 \ 0,0,1,15 \ \end{bmatrix} \ L_{2627} = egin{bmatrix} 1,0,0,9 \ 0,1,0,9 \ 0,0,0,1 \ \end{bmatrix} \ L_{2628} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,0 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix} \ L_{2629} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10$$

$$L_{2630} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,3 \ 1,0,0,9 \ 0,1,0,10 \ 0,0,1,4 \ \end{bmatrix} \ L_{2632} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,5 \ \end{bmatrix} \ L_{2633} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,6 \ \end{bmatrix} \ L_{2634} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,7 \ \end{bmatrix} \ L_{2635} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,9 \ \end{bmatrix} \ L_{2636} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,10 \ \end{bmatrix} \ L_{2638} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,11 \ \end{bmatrix} \ L_{2639} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,12 \ \end{bmatrix} \ L_{2640} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,13 \ \end{bmatrix} \ L_{2641} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,14 \ \end{bmatrix} \ L_{2642} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,15 \ \end{bmatrix} \ L_{2643} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,15 \ \end{bmatrix} \ L_{2643} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,15 \ \end{bmatrix} \ L_{2643} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,15 \ \end{bmatrix} \ L_{2643} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,15 \ \end{bmatrix} \ L_{2643} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,15 \ \end{bmatrix} \ L_{2643} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,15 \ \end{bmatrix} \ L_{2643} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,15 \ \end{bmatrix} \ L_{2643} = egin{bmatrix} 1,0,0,9 \ 0,1,0,10 \ 0,0,1,15 \ \end{bmatrix} \ L_{2643} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2643} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2643} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2643} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2643} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2643} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2643} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2640} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2640} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2640} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2640} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2640} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2640} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2640} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2640} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2640} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{2640} = egin{bmatrix} 1,0,0,0 \ 0,0,$$

$$L_{2644} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,0 \ \end{bmatrix} \ L_{2645} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,2 \ \end{bmatrix} \ L_{2646} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,3 \ \end{bmatrix} \ L_{2647} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,4 \ \end{bmatrix} \ L_{2648} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,5 \ \end{bmatrix} \ L_{2650} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,6 \ \end{bmatrix} \ L_{2651} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,7 \ \end{bmatrix} \ L_{2652} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,9 \ \end{bmatrix} \ L_{2653} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,0,11 \ 0,0,1,10 \ \end{bmatrix} \ L_{2656} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,11 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,12 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2657} = egin{bmatrix} 1,0,0,0,1 \ \end{bmatrix} \ L_{2657} = e$$

$$L_{2658} = egin{bmatrix} 1,0,0,9 \ 0,1,0,11 \ 0,0,1,14 \ 1,0,0,9 \ 0,1,0,11 \ 0,0,1,15 \ \end{bmatrix}$$
 $L_{2660} = egin{bmatrix} 1,0,9,0 \ 0,1,11,0 \ 0,0,0,1 \ \end{bmatrix}$
 $L_{2661} = egin{bmatrix} 1,0,0,9 \ 0,1,0,12 \ 0,0,1,0 \ \end{bmatrix}$
 $L_{2662} = egin{bmatrix} 1,0,0,9 \ 0,1,0,12 \ 0,0,1,2 \ \end{bmatrix}$
 $L_{2663} = egin{bmatrix} 1,0,0,9 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix}$
 $L_{2664} = egin{bmatrix} 1,0,0,9 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix}$
 $L_{2665} = egin{bmatrix} 1,0,0,9 \ 0,1,0,12 \ 0,0,1,4 \ \end{bmatrix}$
 $L_{2666} = egin{bmatrix} 1,0,0,9 \ 0,1,0,12 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{2668} = egin{bmatrix} 1,0,0,9 \ 0,1,0,12 \ 0,0,1,6 \ \end{bmatrix}$
 $L_{2669} = egin{bmatrix} 1,0,0,9 \ 0,1,0,12 \ 0,0,1,7 \ \end{bmatrix}$
 $L_{2670} = egin{bmatrix} 1,0,0,9 \ 0,1,0,12 \ 0,0,1,9 \ \end{bmatrix}$
 $L_{2671} = egin{bmatrix} 1,0,0,9 \ 0,1,0,12 \ 0,0,1,9 \ \end{bmatrix}$
 $L_{2671} = egin{bmatrix} 1,0,0,9 \ 0,1,0,12 \ 0,0,1,90 \ \end{bmatrix}$

$$L_{2672} = egin{bmatrix} 1,0,0,9 \ 0,1,0,12 \ 0,0,1,11 \ 1,0,0,9 \ 0,1,0,12 \ 0,0,1,12 \ \end{bmatrix}$$
 $L_{2673} = egin{bmatrix} 1,0,0,9 \ 0,1,0,12 \ 0,0,1,13 \ \end{bmatrix}$
 $L_{2674} = egin{bmatrix} 1,0,0,9 \ 0,1,0,12 \ 0,0,1,14 \ \end{bmatrix}$
 $L_{2675} = egin{bmatrix} 1,0,0,9 \ 0,1,0,12 \ 0,0,1,15 \ \end{bmatrix}$
 $L_{2676} = egin{bmatrix} 1,0,0,9 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix}$
 $L_{2677} = egin{bmatrix} 1,0,0,9 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix}$
 $L_{2679} = egin{bmatrix} 1,0,0,9 \ 0,1,0,13 \ 0,0,1,2 \ \end{bmatrix}$
 $L_{2680} = egin{bmatrix} 1,0,0,9 \ 0,1,0,13 \ 0,0,1,2 \ \end{bmatrix}$
 $L_{2681} = egin{bmatrix} 1,0,0,9 \ 0,1,0,13 \ 0,0,1,4 \ \end{bmatrix}$
 $L_{2682} = egin{bmatrix} 1,0,0,9 \ 0,1,0,13 \ 0,0,1,4 \ \end{bmatrix}$
 $L_{2683} = egin{bmatrix} 1,0,0,9 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{2684} = egin{bmatrix} 1,0,0,9 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{2685} = egin{bmatrix} 1,0,0,9 \ 0,1,0,13 \ 0,0,1,6 \ \end{bmatrix}$
 $L_{2685} = egin{bmatrix} 1,0,0,9 \ 0,1,0,13 \ 0,0,1,7 \ \end{bmatrix}$

$$L_{2686} = egin{bmatrix} 1,0,0,9 \ 0,1,0,13 \ 0,0,1,8 \ \end{bmatrix} \ L_{2687} = egin{bmatrix} 1,0,0,9 \ 0,1,0,13 \ 0,0,1,10 \ \end{bmatrix} \ L_{2688} = egin{bmatrix} 1,0,0,9 \ 0,1,0,13 \ 0,0,1,11 \ \end{bmatrix} \ L_{2690} = egin{bmatrix} 1,0,0,9 \ 0,1,0,13 \ 0,0,1,12 \ \end{bmatrix} \ L_{2691} = egin{bmatrix} 1,0,0,9 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{2692} = egin{bmatrix} 1,0,0,9 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{2693} = egin{bmatrix} 1,0,0,9 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{2694} = egin{bmatrix} 1,0,0,9 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{2694} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,0 \ \end{bmatrix} \ L_{2695} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{2697} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{2698} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,3 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,3 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,3 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{2699} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,4 \ \end{bmatrix} \ L_{2699} = egin{bmatrix$$

$$L_{2700} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,5 \ 1,0,0,9 \ 0,1,0,14 \ 0,0,1,6 \ \end{bmatrix}$$
 $L_{2701} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,7 \ \end{bmatrix}$
 $L_{2702} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,8 \ \end{bmatrix}$
 $L_{2703} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,9 \ \end{bmatrix}$
 $L_{2704} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,10 \ \end{bmatrix}$
 $L_{2705} = egin{bmatrix} 0,1,0,14 \ 0,0,1,11 \ \end{bmatrix}$
 $L_{2706} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix}$
 $L_{2708} = egin{bmatrix} 1,0,0,9 \ 0,1,0,14 \ 0,0,1,13 \ \end{bmatrix}$
 $L_{2709} = egin{bmatrix} 0,1,0,14 \ 0,0,1,13 \ \end{bmatrix}$
 $L_{2710} = egin{bmatrix} 0,1,0,14 \ 0,0,1,15 \ \end{bmatrix}$
 $L_{2711} = egin{bmatrix} 0,1,0,9 \ 0,1,0,14 \ 0,0,0,1 \ \end{bmatrix}$
 $L_{2712} = egin{bmatrix} 0,0,9 \ 0,1,0,15 \ 0,0,1,0 \ \end{bmatrix}$
 $L_{2713} = egin{bmatrix} 0,0,9 \ 0,1,0,15 \ 0,0,1,0 \ \end{bmatrix}$
 $L_{2713} = egin{bmatrix} 0,0,9 \ 0,1,0,15 \ 0,0,1,1 \ \end{bmatrix}$

$$L_{2714} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{2715} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,4 \ \end{bmatrix} \ L_{2716} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,4 \ \end{bmatrix} \ L_{2717} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,6 \ \end{bmatrix} \ L_{2718} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,7 \ \end{bmatrix} \ L_{2720} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{2721} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,9 \ \end{bmatrix} \ L_{2722} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,10 \ \end{bmatrix} \ L_{2724} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,12 \ \end{bmatrix} \ L_{2725} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,13 \ \end{bmatrix} \ L_{2726} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{2727} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{2727} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{2727} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix} \ l_{2727} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix} \ l_{2727} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix} \ l_{2727} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix} \ l_{2727} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix} \ l_{2727} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix} \ l_{2727} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix} \ l_{2727} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix} \ l_{2727} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix} \ l_{2727} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix} \ l_{2727} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix} \ l_{2727} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix} \ l_{2727} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix} \ l_{2727} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \ 0,0,1,15 \] \ l_{2727} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \] \ l_{2727} = egin{bmatrix} 1,0,0,9 \ 0,1,0,15 \] \ l_{2727} = egin{bmatrix} 1,0,0,9 \$$

$$L_{2728} = egin{bmatrix} 1,0,9,0 \ 0,1,15,0 \ 0,0,0,1 \end{bmatrix} \ L_{2729} = egin{bmatrix} 1,9,0,0 \ 0,0,0,1 \end{bmatrix} \ L_{2730} = egin{bmatrix} 1,0,0,10 \ 0,1,0,0 \ 0,0,1,0 \end{bmatrix} \ L_{2731} = egin{bmatrix} 1,0,0,10 \ 0,1,0,0 \ 0,0,1,2 \end{bmatrix} \ L_{2732} = egin{bmatrix} 1,0,0,10 \ 0,1,0,0 \ 0,0,1,3 \end{bmatrix} \ L_{2733} = egin{bmatrix} 1,0,0,10 \ 0,1,0,0 \ 0,0,1,4 \end{bmatrix} \ L_{2734} = egin{bmatrix} 1,0,0,10 \ 0,0,1,5 \ 1,0,0,10 \ 0,0,1,5 \end{bmatrix} \ L_{2736} = egin{bmatrix} 1,0,0,10 \ 0,0,1,5 \ 1,0,0,10 \ 0,0,1,7 \end{bmatrix} \ L_{2738} = egin{bmatrix} 1,0,0,10 \ 0,0,1,0,0 \ 0,0,1,8 \ 1,0,0,10 \ 0,0,1,0,0 \ 0,0,1,9 \end{bmatrix} \ L_{2740} = egin{bmatrix} 1,0,0,10 \ 0,1,0,0 \ 0,0,1,10 \ 0,1,0,0 \ 0,0,1,10 \ 0,1,0,0 \ 0,0,1,10 \ 0,1,0,0 \ 0,0,1,10 \ 0,1,0,0 \ 0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,1,0,0 \ 0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,1,0,0 \ 0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,1,0,0 \ 0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,1,0,0 \ 0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bmatrix} 1,0,0,10 \ 0,0,0,1,11 \ \end{bmatrix} \ L_{2741} = egin{bm$$

$$L_{2742} = egin{bmatrix} 1,0,0,10 \ 0,1,0,0 \ 0,0,1,12 \ 1,0,0,10 \ 0,0,1,13 \ \end{bmatrix} \ L_{2743} = egin{bmatrix} 1,0,0,10 \ 0,0,1,13 \ \end{bmatrix} \ L_{2744} = egin{bmatrix} 1,0,0,10 \ 0,1,0,0 \ 0,0,1,15 \ \end{bmatrix} \ L_{2745} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,0 \ \end{bmatrix} \ L_{2748} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,0 \ \end{bmatrix} \ L_{2749} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,2 \ \end{bmatrix} \ L_{2750} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,3 \ \end{bmatrix} \ L_{2752} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,3 \ \end{bmatrix} \ L_{2752} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,5 \ \end{bmatrix} \ L_{2753} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,6 \ \end{bmatrix} \ L_{2754} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,6 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,7 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,7 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,8 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,8 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,8 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,8 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,8 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,8 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,8 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,8 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,8 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,8 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,8 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,8 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,8 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,8 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,8 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,8 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,8 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,8 \ \end{bmatrix} \ L_{2755} = egin{bmatrix} 1,0,0,1,0 \ 0,1,0,1 \ 0,0,1,0 \ 0,1,0,1 \ 0,0,1,0 \ 0,1,0,1 \ 0,0,1,0 \ 0,1,0,1 \ 0,0,1,0 \ 0,1,0,1 \ 0,0,1,0 \$$

$$L_{2756} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,9 \ 1,0,0,10 \ 0,1,0,1 \ 0,0,1,10 \ \end{bmatrix} \ L_{2758} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,11 \ \end{bmatrix} \ L_{2759} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,12 \ \end{bmatrix} \ L_{2760} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,14 \ \end{bmatrix} \ L_{2761} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,15 \ \end{bmatrix} \ L_{2762} = egin{bmatrix} 1,0,0,10 \ 0,1,0,1 \ 0,0,1,15 \ \end{bmatrix} \ L_{2763} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,0 \ \end{bmatrix} \ L_{2764} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,1 \ \end{bmatrix} \ L_{2765} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,2 \ \end{bmatrix} \ L_{2768} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,3 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,4 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{2769} = egin{bmatrix} 1,0,0,10 \ 0,1,0,2 \ 0,0,1,5$$

$$L_{2770} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,2\\ 0,0,1,6 \end{bmatrix} \\ L_{2771} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,2\\ 0,0,1,7 \end{bmatrix} \\ L_{2772} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,2\\ 0,0,1,8 \end{bmatrix} \\ L_{2773} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,2\\ 0,0,1,9 \end{bmatrix} \\ L_{2774} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,2\\ 0,0,1,10 \end{bmatrix} \\ L_{2775} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,2\\ 0,0,1,11 \end{bmatrix} \\ L_{2776} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,2\\ 0,0,1,12 \end{bmatrix} \\ L_{2777} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,2\\ 0,0,1,13 \end{bmatrix} \\ L_{2778} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,2\\ 0,0,1,14 \end{bmatrix} \\ L_{2779} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,2\\ 0,0,1,15 \end{bmatrix} \\ L_{2780} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,2\\ 0,0,1,15 \end{bmatrix} \\ L_{2781} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,2\\ 0,0,0,1 \end{bmatrix} \\ L_{2782} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,3\\ 0,0,1,0 \end{bmatrix} \\ L_{2783} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,3\\ 0,0,1,2 \end{bmatrix} \\ L_{2783} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,3\\ 0,1,2 \end{bmatrix} \\ L_{2783} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,3\\ 0,1,2 \end{bmatrix} \\ L_{2783} = \begin{bmatrix} 1,0,$$

$$L_{2784} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,3\\ 0,0,1,3 \end{bmatrix} \\ L_{2785} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,3\\ 0,0,1,4 \end{bmatrix} \\ L_{2786} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,3\\ 0,0,1,5 \end{bmatrix} \\ L_{2787} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,3\\ 0,0,1,6 \end{bmatrix} \\ L_{2788} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,3\\ 0,0,1,7 \end{bmatrix} \\ L_{2789} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,3\\ 0,0,1,7 \end{bmatrix} \\ L_{2790} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,3\\ 0,0,1,9 \end{bmatrix} \\ L_{2791} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,3\\ 0,0,1,10 \end{bmatrix} \\ L_{2792} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,3\\ 0,0,1,11 \end{bmatrix} \\ L_{2793} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,3\\ 0,0,1,12 \end{bmatrix} \\ L_{2794} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,3\\ 0,0,1,13 \end{bmatrix} \\ L_{2795} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,3\\ 0,0,1,14 \end{bmatrix} \\ L_{2796} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,3\\ 0,0,1,15 \end{bmatrix} \\ L_{2797} = \begin{bmatrix} 1,0,0,10\\ 0,1,0,3\\ 0,0,1,15 \end{bmatrix} \\ L_{2799} = \begin{bmatrix} 1,0,0,10\\ 0,1$$

$$L_{2798} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,0 \end{bmatrix} \ 1,0,0,10 \ 0,1,0,4 \ 0,0,1,1 \end{bmatrix} \ L_{2800} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,2 \end{bmatrix} \ L_{2801} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,4 \end{bmatrix} \ L_{2802} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,5 \end{bmatrix} \ L_{2804} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,6 \end{bmatrix} \ L_{2805} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,7 \end{bmatrix} \ L_{2806} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,9 \end{bmatrix} \ L_{2808} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,9 \end{bmatrix} \ L_{2809} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,11 \end{bmatrix} \ L_{2810} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,12 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,12 \end{bmatrix} \ 1,0,0,10 \ 0,1,0,4 \ 0,0,1,12 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{2811} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,13 \end{bmatrix} \ L_{28$$

$$L_{2812} = egin{bmatrix} 1,0,0,10 \ 0,1,0,4 \ 0,0,1,14 \ 1,0,0,10 \ 0,1,0,4 \ 0,0,1,15 \ \end{bmatrix}$$
 $L_{2813} = egin{bmatrix} 0,1,0,4 \ 0,0,1,15 \ \end{bmatrix}$
 $L_{2814} = egin{bmatrix} 1,0,10,0 \ 0,1,4,0 \ 0,0,0,1 \ \end{bmatrix}$
 $L_{2815} = egin{bmatrix} 1,0,0,10 \ 0,1,0,5 \ 0,0,1,1 \ \end{bmatrix}$
 $L_{2816} = egin{bmatrix} 1,0,0,10 \ 0,1,0,5 \ 0,0,1,2 \ \end{bmatrix}$
 $L_{2817} = egin{bmatrix} 1,0,0,10 \ 0,1,0,5 \ 0,0,1,3 \ \end{bmatrix}$
 $L_{2819} = egin{bmatrix} 1,0,0,10 \ 0,1,0,5 \ 0,0,1,4 \ \end{bmatrix}$
 $L_{2820} = egin{bmatrix} 1,0,0,10 \ 0,1,0,5 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{2822} = egin{bmatrix} 1,0,0,10 \ 0,1,0,5 \ 0,0,1,7 \ \end{bmatrix}$
 $L_{2823} = egin{bmatrix} 1,0,0,10 \ 0,1,0,5 \ 0,0,1,8 \ \end{bmatrix}$
 $L_{2824} = egin{bmatrix} 1,0,0,10 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix}$
 $L_{2825} = egin{bmatrix} 1,0,0,10 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix}$
 $L_{10} = egin{bmatrix} 1,0,0,10 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix}$
 $L_{2825} = egin{bmatrix} 1,0,0,10 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix}$

$$L_{2826} = egin{bmatrix} 1,0,0,10 \ 0,1,0,5 \ 0,0,1,11 \ 1,0,0,10 \ 0,1,0,5 \ 0,0,1,12 \ \end{bmatrix} \ L_{2828} = egin{bmatrix} 1,0,0,10 \ 0,1,0,5 \ 0,0,1,14 \ \end{bmatrix} \ L_{2830} = egin{bmatrix} 1,0,0,10 \ 0,1,0,5 \ 0,0,1,15 \ \end{bmatrix} \ L_{2831} = egin{bmatrix} 1,0,0,10 \ 0,1,0,5 \ 0,0,1,15 \ \end{bmatrix} \ L_{2832} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,0 \ \end{bmatrix} \ L_{2833} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,2 \ \end{bmatrix} \ L_{2834} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,2 \ \end{bmatrix} \ L_{2835} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,3 \ \end{bmatrix} \ L_{2836} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,4 \ \end{bmatrix} \ L_{2838} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,5 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,6 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{2839} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,0 \$$

$$L_{2840} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,8 \ 1,0,0,10 \ 0,1,0,6 \ 0,0,1,9 \ \end{bmatrix} \ L_{2842} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,11 \ \end{bmatrix} \ L_{2843} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,12 \ \end{bmatrix} \ L_{2844} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{2846} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{2847} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,15 \ \end{bmatrix} \ L_{2848} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,1,15 \ \end{bmatrix} \ L_{2849} = egin{bmatrix} 1,0,0,10 \ 0,1,0,6 \ 0,0,0,1 \ \end{bmatrix} \ L_{2850} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,1 \ \end{bmatrix} \ L_{2851} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,2 \ \end{bmatrix} \ L_{2852} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,3 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,4 \ \end{bmatrix} \ L_{2853} = \end{bmatrix} \ L_{2853} = \end{bmatrix} \ L$$

$$L_{2854} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,5 \ 1,0,0,10 \ 0,1,0,7 \ 0,0,1,6 \ \end{bmatrix} \ L_{2856} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,8 \ \end{bmatrix} \ L_{2857} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{2858} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,10 \ \end{bmatrix} \ L_{2860} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,11 \ \end{bmatrix} \ L_{2861} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{2862} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,13 \ \end{bmatrix} \ L_{2863} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,13 \ \end{bmatrix} \ L_{2864} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,15 \ \end{bmatrix} \ L_{2864} = egin{bmatrix} 1,0,0,10 \ 0,1,0,7 \ 0,0,1,15 \ \end{bmatrix} \ L_{2865} = egin{bmatrix} 1,0,0,0 \ 0,1,0,7 \ 0,0,0,1 \ \end{bmatrix} \ L_{2866} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,0 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,1 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,1 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,1 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,1 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,1 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,1 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,1 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,1 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,1 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,1 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,1 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,1 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,1 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,1 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,1 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,1 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,1 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,1 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,1 \ \end{bmatrix} \ L_{2867} = egin{bmatrix} 1,0,0,10 \ 0,1,0,0,10 \ 0,1,0,0,10 \ 0,1,0,0,10 \ 0,1,0,0,10 \ 0,1,0,0,10 \ 0,1,0,0,10 \ 0$$

$$L_{2868} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{2869} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,4 \ \end{bmatrix} \ L_{2870} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,5 \ \end{bmatrix} \ L_{2871} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,5 \ \end{bmatrix} \ L_{2872} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,7 \ \end{bmatrix} \ L_{2873} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,7 \ \end{bmatrix} \ L_{2874} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,9 \ \end{bmatrix} \ L_{2876} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,11 \ \end{bmatrix} \ L_{2878} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,12 \ \end{bmatrix} \ L_{2879} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,13 \ \end{bmatrix} \ L_{2880} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,14 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{2881} = egin{bmatrix} 1,0,0,10 \ 0,1,0,8 \ 0,0,1,15 \ \end{bmatrix} \ L_{28$$

$$L_{2882} = egin{bmatrix} 1,0,10,0\ 0,1,8,0\ 0,0,0,1\ \end{bmatrix} \ L_{2883} = egin{bmatrix} 1,0,0,10\ 0,1,0,9\ 0,0,1,1\ \end{bmatrix} \ L_{2884} = egin{bmatrix} 1,0,0,10\ 0,1,0,9\ 0,0,1,2\ \end{bmatrix} \ L_{2886} = egin{bmatrix} 1,0,0,10\ 0,1,0,9\ 0,0,1,3\ \end{bmatrix} \ L_{2887} = egin{bmatrix} 1,0,0,10\ 0,1,0,9\ 0,0,1,5\ \end{bmatrix} \ L_{2889} = egin{bmatrix} 1,0,0,10\ 0,1,0,9\ 0,0,1,6\ \end{bmatrix} \ L_{2890} = egin{bmatrix} 1,0,0,10\ 0,1,0,9\ 0,0,1,7\ \end{bmatrix} \ L_{2891} = egin{bmatrix} 1,0,0,10\ 0,1,0,9\ 0,0,1,7\ \end{bmatrix} \ L_{2892} = egin{bmatrix} 1,0,0,10\ 0,1,0,9\ 0,0,1,9\ \end{bmatrix} \ L_{2893} = egin{bmatrix} 1,0,0,10\ 0,1,0,9\ 0,0,1,10\ \end{bmatrix} \ L_{2893} = egin{bmatrix} 1,0,0,10\ 0,1,0,9\ 0,0,1,10\ \end{bmatrix} \ L_{2894} = egin{bmatrix} 1,0,0,10\ 0,1,0,9\ 0,0,1,11\ \end{bmatrix} \ l_{1},0,0,10\ 0,1,0,9\ 0,0,1,12\ \end{bmatrix} \ L_{2895} = egin{bmatrix} 1,0,0,10\ 0,1,0,9\ 0,0,1,12\ \end{bmatrix} \ l_{1},0,0,10\ 0,1,0,9\ 0,0,1,12\ \end{bmatrix} \ l_{2895} = egin{bmatrix} 1,0,0,10\ 0,1,0,9\ 0,0,1,12\ \end{bmatrix} \ l_{1},0,0,10\ 0,1,0,9\ 0,0,1,12\ \end{bmatrix} \ l_{2895} = egin{bmatrix} 1,0,0,10\ 0,1,0,9\ 0,0,1,12\$$

$$L_{2896} = egin{bmatrix} 1,0,0,10 \ 0,1,0,9 \ 0,0,1,13 \ 1,0,0,10 \ 0,1,0,9 \ 0,0,1,14 \ \end{bmatrix}$$
 $L_{2897} = egin{bmatrix} 0,1,0,9 \ 0,0,1,14 \ \end{bmatrix}$
 $L_{2898} = egin{bmatrix} 1,0,0,10 \ 0,1,0,9 \ 0,0,1,15 \ \end{bmatrix}$
 $L_{2899} = egin{bmatrix} 1,0,0,10 \ 0,1,0,10 \ 0,0,1,0 \ \end{bmatrix}$
 $L_{2900} = egin{bmatrix} 1,0,0,10 \ 0,0,1,1 \ \end{bmatrix}$
 $L_{2901} = egin{bmatrix} 1,0,0,10 \ 0,0,1,2 \ \end{bmatrix}$
 $L_{2902} = egin{bmatrix} 1,0,0,10 \ 0,0,1,2 \ \end{bmatrix}$
 $L_{2903} = egin{bmatrix} 1,0,0,10 \ 0,0,1,3 \ \end{bmatrix}$
 $L_{2904} = egin{bmatrix} 1,0,0,10 \ 0,0,1,3 \ \end{bmatrix}$
 $L_{2905} = egin{bmatrix} 1,0,0,10 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{2906} = egin{bmatrix} 1,0,0,10 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{2907} = egin{bmatrix} 1,0,0,10 \ 0,0,1,6 \ \end{bmatrix}$
 $L_{2908} = egin{bmatrix} 1,0,0,10 \ 0,0,1,7 \ \end{bmatrix}$
 $L_{2909} = egin{bmatrix} 1,0,0,10 \ 0,0,1,9 \ \end{bmatrix}$

$$L_{2910} = egin{bmatrix} 1,0,0,10 \ 0,1,0,10 \ 0,0,1,10 \end{bmatrix} \ L_{2911} = egin{bmatrix} 1,0,0,10 \ 0,0,1,11 \ 0,0,1,0,10 \ 0,0,1,13 \end{bmatrix} \ L_{2912} = egin{bmatrix} 1,0,0,10 \ 0,0,1,13 \ 0,0,1,13 \end{bmatrix} \ L_{2914} = egin{bmatrix} 1,0,0,10 \ 0,0,1,14 \ 1,0,0,10 \ 0,0,1,15 \end{bmatrix} \ L_{2915} = egin{bmatrix} 1,0,0,10 \ 0,0,1,15 \ 1,0,0,10 \ 0,0,0,1 \end{bmatrix} \ L_{2916} = egin{bmatrix} 1,0,0,10 \ 0,1,0,11 \ 0,0,1,0 \ 1,0,0,10 \ 0,1,0,11 \ 0,0,1,2 \ 1,0,0,10 \ 0,1,0,11 \ 0,0,1,3 \ 1,0,0,10 \ 0,1,0,11 \ 0,0,1,3 \ 1,0,0,10 \ 0,1,0,11 \ 0,0,1,4 \ 1,0,0,10 \ 0,1,0,11 \ 0,0,1,5 \ 1,0,0,10 \ 0,1,0,11 \ 0,0,1,5 \ 1,0,0,10 \ 0,1,0,11 \ 0,0,1,6 \ \end{bmatrix} \ L_{2923} = egin{bmatrix} 1,0,0,10 \ 0,1,0,11 \ 0,0,1,6 \ \end{bmatrix} \ L_{2923} = egin{bmatrix} 1,0,0,10 \ 0,1,0,11 \ 0,0,1,6 \ \end{bmatrix} \ L_{2923} = egin{bmatrix} 1,0,0,10 \ 0,1,0,11 \ 0,0,1,6 \ \end{bmatrix} \ L_{2923} = egin{bmatrix} 1,0,0,10 \ 0,1,0,11 \ 0,0,1,6 \ \end{bmatrix}$$

$$L_{2924} = egin{bmatrix} 1,0,0,10 \ 0,1,0,11 \ 0,0,1,7 \ \end{bmatrix} \ L_{2925} = egin{bmatrix} 1,0,0,10 \ 0,1,0,11 \ 0,0,1,8 \ \end{bmatrix} \ L_{2926} = egin{bmatrix} 1,0,0,10 \ 0,1,0,11 \ 0,0,1,9 \ \end{bmatrix} \ L_{2927} = egin{bmatrix} 1,0,0,10 \ 0,1,0,11 \ 0,0,1,10 \ \end{bmatrix} \ L_{2928} = egin{bmatrix} 1,0,0,10 \ 0,1,0,11 \ 0,0,1,12 \ \end{bmatrix} \ L_{2930} = egin{bmatrix} 1,0,0,10 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix} \ L_{2931} = egin{bmatrix} 1,0,0,10 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{2932} = egin{bmatrix} 1,0,0,10 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix} \ L_{2932} = egin{bmatrix} 1,0,0,10 \ 0,1,0,11 \ 0,0,1,15 \ \end{bmatrix} \ L_{2933} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,0,1 \ \end{bmatrix} \ L_{2934} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,0 \ \end{bmatrix} \ L_{2935} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,2 \ 0,0,1,2 \ \end{bmatrix} \ L_{2936} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,2 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,2 \ 0,0,1,3 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix} \ L_{2937} = egin{bmatrix} 1,0,0,10$$

$$L_{2938} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,4 \ \end{bmatrix} \ L_{2939} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,5 \ \end{bmatrix} \ L_{2940} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,6 \ \end{bmatrix} \ L_{2941} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,7 \ \end{bmatrix} \ L_{2942} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,9 \ \end{bmatrix} \ L_{2943} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,10 \ \end{bmatrix} \ L_{2944} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{2945} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,12 \ \end{bmatrix} \ L_{2946} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,13 \ \end{bmatrix} \ L_{2949} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,14 \ \end{bmatrix} \ L_{2949} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,1,15 \ \end{bmatrix} \ L_{2950} = egin{bmatrix} 1,0,0,10 \ 0,1,0,12 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{2951} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,$$

$$L_{2952} = \begin{bmatrix} 1,0,0,10 \\ 0,1,0,13 \\ 0,0,1,1 \end{bmatrix}$$
 $L_{2953} = \begin{bmatrix} 1,0,0,10 \\ 0,1,0,13 \\ 0,0,1,2 \end{bmatrix}$
 $L_{2954} = \begin{bmatrix} 1,0,0,10 \\ 0,1,0,13 \\ 0,0,1,3 \end{bmatrix}$
 $L_{2955} = \begin{bmatrix} 1,0,0,10 \\ 0,1,0,13 \\ 0,0,1,4 \end{bmatrix}$
 $L_{2956} = \begin{bmatrix} 1,0,0,10 \\ 0,1,0,13 \\ 0,0,1,5 \end{bmatrix}$
 $L_{2957} = \begin{bmatrix} 1,0,0,10 \\ 0,1,0,13 \\ 0,0,1,5 \end{bmatrix}$
 $L_{2958} = \begin{bmatrix} 1,0,0,10 \\ 0,1,0,13 \\ 0,0,1,6 \end{bmatrix}$
 $L_{2959} = \begin{bmatrix} 1,0,0,10 \\ 0,1,0,13 \\ 0,0,1,7 \end{bmatrix}$
 $L_{2960} = \begin{bmatrix} 1,0,0,10 \\ 0,1,0,13 \\ 0,0,1,9 \end{bmatrix}$
 $L_{2961} = \begin{bmatrix} 1,0,0,10 \\ 0,1,0,13 \\ 0,0,1,10 \end{bmatrix}$
 $L_{2962} = \begin{bmatrix} 1,0,0,10 \\ 0,1,0,13 \\ 0,0,1,11 \end{bmatrix}$
 $L_{2963} = \begin{bmatrix} 1,0,0,10 \\ 0,1,0,13 \\ 0,0,1,12 \end{bmatrix}$
 $L_{2964} = \begin{bmatrix} 1,0,0,10 \\ 0,1,0,13 \\ 0,0,1,12 \end{bmatrix}$
 $L_{2965} = \begin{bmatrix} 1,0,0,10 \\ 0,1,0,13 \\ 0,0,1,14 \end{bmatrix}$

$$L_{2966} = egin{bmatrix} 1,0,0,10 \ 0,1,0,13 \ 0,0,1,15 \ 1,0,10,0 \ 0,1,0,14 \ 0,0,1,0 \ 1,0,0,10 \ 0,1,0,14 \ 0,0,1,2 \ 1,0,0,10 \ 0,1,0,14 \ 0,0,1,3 \ \end{bmatrix}$$
 $L_{2970} = egin{bmatrix} 1,0,0,10 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix}$
 $L_{2971} = egin{bmatrix} 1,0,0,10 \ 0,1,0,14 \ 0,0,1,3 \ \end{bmatrix}$
 $L_{2972} = egin{bmatrix} 1,0,0,10 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{2973} = egin{bmatrix} 1,0,0,10 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{2974} = egin{bmatrix} 1,0,0,10 \ 0,1,0,14 \ 0,0,1,6 \ \end{bmatrix}$
 $L_{2975} = egin{bmatrix} 1,0,0,10 \ 0,1,0,14 \ 0,0,1,7 \ \end{bmatrix}$
 $L_{2976} = egin{bmatrix} 1,0,0,10 \ 0,1,0,14 \ 0,0,1,8 \ \end{bmatrix}$
 $L_{2977} = egin{bmatrix} 1,0,0,10 \ 0,1,0,14 \ 0,0,1,9 \ \end{bmatrix}$
 $L_{2978} = egin{bmatrix} 1,0,0,10 \ 0,1,0,14 \ 0,0,1,10 \ \end{bmatrix}$
 $L_{2979} = egin{bmatrix} 1,0,0,10 \ 0,1,0,14 \ 0,0,1,10 \ \end{bmatrix}$
 $L_{2979} = egin{bmatrix} 1,0,0,10 \ 0,1,0,14 \ 0,0,1,10 \ \end{bmatrix}$

$$L_{2980} = egin{bmatrix} 1,0,0,10 \ 0,1,0,14 \ 0,0,1,12 \ 1,0,0,10 \ 0,1,0,14 \ 0,0,1,13 \ \end{bmatrix}$$
 $L_{2981} = egin{bmatrix} 1,0,0,10 \ 0,1,0,14 \ 0,0,1,14 \ \end{bmatrix}$
 $L_{2982} = egin{bmatrix} 1,0,0,10 \ 0,1,0,14 \ 0,0,1,15 \ \end{bmatrix}$
 $L_{2983} = egin{bmatrix} 1,0,0,10 \ 0,1,0,15 \ 0,0,1,0 \ \end{bmatrix}$
 $L_{2984} = egin{bmatrix} 1,0,0,10 \ 0,1,0,15 \ 0,0,1,0 \ \end{bmatrix}$
 $L_{2985} = egin{bmatrix} 1,0,0,10 \ 0,1,0,15 \ 0,0,1,1 \ \end{bmatrix}$
 $L_{2987} = egin{bmatrix} 1,0,0,10 \ 0,1,0,15 \ 0,0,1,2 \ \end{bmatrix}$
 $L_{2989} = egin{bmatrix} 1,0,0,10 \ 0,1,0,15 \ 0,0,1,3 \ \end{bmatrix}$
 $L_{2999} = egin{bmatrix} 1,0,0,10 \ 0,1,0,15 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{2991} = egin{bmatrix} 1,0,0,10 \ 0,1,0,15 \ 0,0,1,6 \ \end{bmatrix}$
 $L_{2992} = egin{bmatrix} 1,0,0,10 \ 0,1,0,15 \ 0,0,1,6 \ \end{bmatrix}$
 $L_{2993} = egin{bmatrix} 1,0,0,10 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix}$

$$L_{2994} = \begin{bmatrix} 1, 0, 0, 10 \\ 0, 1, 0, 15 \\ 0, 0, 1, 9 \end{bmatrix}$$

$$L_{2995} = \begin{bmatrix} 1, 0, 0, 10 \\ 0, 1, 0, 15 \\ 0, 0, 1, 10 \end{bmatrix}$$

$$L_{2996} = \begin{bmatrix} 1, 0, 0, 10 \\ 0, 1, 0, 15 \\ 0, 0, 1, 11 \end{bmatrix}$$

$$L_{2997} = \begin{bmatrix} 1, 0, 0, 10 \\ 0, 1, 0, 15 \\ 0, 0, 1, 12 \end{bmatrix}$$

$$L_{2998} = \begin{bmatrix} 1, 0, 0, 10 \\ 0, 1, 0, 15 \\ 0, 0, 1, 13 \end{bmatrix}$$

$$L_{2999} = \begin{bmatrix} 1, 0, 0, 10 \\ 0, 1, 0, 15 \\ 0, 0, 1, 14 \end{bmatrix}$$

$$L_{3000} = egin{bmatrix} 1,0,0,10 \ 0,1,0,15 \ 0,0,1,15 \ 0,0,0,0 \ 1,15,0 \ 0,0,0,0,1 \ \end{bmatrix} \ L_{3002} = egin{bmatrix} 1,10,0,0 \ 0,0,0,1 \ 0,0,0,1,0 \ 0,0,1,0 \ 0,0,1,0 \ \end{bmatrix} \ L_{3003} = egin{bmatrix} 1,0,0,11 \ 0,1,0,0 \ 0,0,1,1 \ \end{bmatrix} \ L_{3004} = egin{bmatrix} 1,0,0,11 \ 0,1,0,0 \ 0,0,1,2 \ \end{bmatrix} \ L_{3006} = egin{bmatrix} 1,0,0,11 \ 0,1,0,0 \ 0,0,1,3 \ \end{bmatrix} \ L_{3007} = egin{bmatrix} 1,0,0,11 \ 0,1,0,0 \ 0,0,1,4 \ \end{bmatrix} \ L_{3008} = egin{bmatrix} 1,0,0,11 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{3010} = egin{bmatrix} 1,0,0,11 \ 0,1,0,0 \ 0,0,1,7 \ \end{bmatrix} \ L_{3011} = egin{bmatrix} 1,0,0,11 \ 0,1,0,0 \ 0,0,1,7 \ \end{bmatrix} \ L_{3012} = egin{bmatrix} 1,0,0,11 \ 0,1,0,0 \ 0,0,1,9 \ \end{bmatrix} \ L_{3013} = egin{bmatrix} 1,0,0,11 \ 0,1,0,0 \ 0,0,1,9 \ \end{bmatrix} \ L_{3013} = egin{bmatrix} 1,0,0,11 \ 0,1,0,0 \ 0,0,1,9 \ \end{bmatrix} \ L_{3013} = egin{bmatrix} 1,0,0,11 \ 0,1,0,0 \ 0,0,1,9 \ \end{bmatrix} \ L_{3013} = egin{bmatrix} 1,0,0,11 \ 0,1,0,0 \ 0,0,1,10 \ \end{bmatrix}$$

$$L_{3014} = egin{bmatrix} 1,0,0,11 \ 0,1,0,0 \ 0,0,1,11 \ \end{bmatrix} \ L_{3015} = egin{bmatrix} 1,0,0,11 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{3016} = egin{bmatrix} 1,0,0,11 \ 0,1,0,0 \ 0,0,1,13 \ \end{bmatrix} \ L_{3017} = egin{bmatrix} 1,0,0,11 \ 0,1,0,0 \ 0,0,1,15 \ \end{bmatrix} \ L_{3018} = egin{bmatrix} 1,0,0,11 \ 0,1,0,0 \ 0,0,1,15 \ \end{bmatrix} \ L_{3020} = egin{bmatrix} 1,0,0,11 \ 0,0,1,0 \ 0,0,1,1 \ \end{bmatrix} \ L_{3021} = egin{bmatrix} 1,0,0,11 \ 0,0,1,0 \ 1,0,0,11 \ 0,0,1,2 \ \end{bmatrix} \ L_{3023} = egin{bmatrix} 1,0,0,11 \ 0,0,1,2 \ \end{bmatrix} \ L_{3024} = egin{bmatrix} 1,0,0,11 \ 0,0,1,3 \ \end{bmatrix} \ L_{3025} = egin{bmatrix} 1,0,0,11 \ 0,0,1,4 \ \end{bmatrix} \ L_{3026} = egin{bmatrix} 1,0,0,11 \ 0,0,1,5 \ \end{bmatrix} \ L_{3027} = egin{bmatrix} 1,0,0,11 \ 0,0,1,6 \ \end{bmatrix} \ L_{3027} = egin{bmatrix} 1,0,0,11 \ 0,0,1,7 \ \end{bmatrix} \ L_{3027} = egin{bmatrix} 1,0,0,1 \ 0,0,1,7 \ \end{bmatrix} \ L_{3027} = egin{bmatrix} 1,0,0,1 \ 0,0,1,7 \ \end{bmatrix} \ L_{3027} = egin{bmatr$$

$$L_{3028} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,1\\ 0,0,1,8 \end{bmatrix}$$

$$L_{3029} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,1\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3030} = \begin{bmatrix} 1,0,0,11\\ 0,0,1,0,1\\ 0,0,1,10 \end{bmatrix}$$

$$L_{3031} = \begin{bmatrix} 1,0,0,11\\ 0,0,1,10\\ 1,0,0,1\\ 0,0,1,11 \end{bmatrix}$$

$$L_{3032} = \begin{bmatrix} 1,0,0,11\\ 0,0,1,11\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3033} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,1\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3034} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,1\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3035} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,1\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3036} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,1\\ 0,0,0,11 \end{bmatrix}$$

$$L_{3038} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,2\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3039} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,2\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3040} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,2\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3041} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,2\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3041} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,2\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3042} = egin{bmatrix} 1,0,0,11 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{3043} = egin{bmatrix} 1,0,0,11 \ 0,1,0,2 \ 0,0,1,7 \ \end{bmatrix} \ L_{3044} = egin{bmatrix} 1,0,0,11 \ 0,1,0,2 \ 0,0,1,8 \ \end{bmatrix} \ L_{3045} = egin{bmatrix} 1,0,0,11 \ 0,1,0,2 \ 0,0,1,10 \ \end{bmatrix} \ L_{3047} = egin{bmatrix} 1,0,0,11 \ 0,1,0,2 \ 0,0,1,11 \ \end{bmatrix} \ L_{3049} = egin{bmatrix} 1,0,0,11 \ 0,1,0,2 \ 0,0,1,12 \ \end{bmatrix} \ L_{3050} = egin{bmatrix} 1,0,0,11 \ 0,1,0,2 \ 0,0,1,13 \ \end{bmatrix} \ L_{3052} = egin{bmatrix} 1,0,0,11 \ 0,1,0,2 \ 0,0,1,15 \ \end{bmatrix} \ L_{3053} = egin{bmatrix} 1,0,0,11 \ 0,1,0,2 \ 0,0,1,0 \ \end{bmatrix} \ L_{3054} = egin{bmatrix} 1,0,0,11 \ 0,1,0,2 \ 0,0,0,1 \ \end{bmatrix} \ L_{3055} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,0 \ \end{bmatrix} \ L_{3055} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,0 \ \end{bmatrix} \ L_{3051} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,0 \ \end{bmatrix} \ L_{3054} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,0 \ \end{bmatrix} \ L_{3055} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,0 \ \end{bmatrix} \ L_{3051} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,0 \ \end{bmatrix} \ L_{3051} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,0 \ \end{bmatrix} \ L_{3051} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,0 \ \end{bmatrix} \ L_{3051} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,0 \ \end{bmatrix} \ L_{3051} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,0 \ \end{bmatrix} \ L_{3052} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,0 \ \end{bmatrix} \ L_{3053} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,0 \ \end{bmatrix} \ L_{3051} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,0 \ \end{bmatrix} \ L_{3052} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,1 \ \end{bmatrix} \ L_{3053} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,1 \ \end{bmatrix} \ L_{3053} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,1 \ \end{bmatrix} \ L_{3053} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,1 \ \end{bmatrix} \ L_{3053} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,1 \ \end{bmatrix} \ L_{3053} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,1 \ \end{bmatrix} \ L_{3053} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,1 \ \end{bmatrix} \ L_{3053} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,1 \ \end{bmatrix} \ L_{3053} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,1 \ \end{bmatrix} \ L_{3053} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,1 \ \end{bmatrix} \ L_{3053} = egin{bmatrix}$$

$$L_{3056} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,2 \ 1,0,0,11 \ 0,1,0,3 \ 0,0,1,3 \ \end{bmatrix} \ L_{3058} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,4 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,5 \ \end{bmatrix} \ L_{3066} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,9 \ \end{bmatrix} \ L_{3066} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,9 \ \end{bmatrix} \ L_{3066} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,10 \ \end{bmatrix} \ L_{3066} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,12 \ \end{bmatrix} \ L_{3068} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,13 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{3069} = egin{bmatrix} 1,0,0,11$$

$$L_{3070} = egin{bmatrix} 1,0,11,0\ 0,1,3,0\ 0,0,0,1\ 1,0,0,11\ 0,1,0,4\ 0,0,1,0\ 1,0,0,11\ 0,1,0,4\ 0,0,1,2\ 1,0,0,11\ 0,1,0,4\ 0,0,1,3\ 1,0,0,11\ 0,1,0,4\ 0,0,1,5\ 1,0,0,11\ 0,1,0,4\ 0,0,1,5\ 1,0,0,11\ 0,1,0,4\ 0,0,1,6\ 1,0,0,11\ 0,1,0,4\ 0,0,1,7\ 1,0,0,11\ 0,1,0,4\ 0,0,1,7\ 1,0,0,11\ 0,1,0,4\ 0,0,1,7\ 1,0,0,11\ 0,1,0,4\ 0,0,1,9\ 1,0,0,11\ 0,1,0,4\ 0,0,1,9\ 1,0,0,11\ 0,1,0,4\ 0,0,1,0,4\ 0,0,1,10\ 1,0,0,11\ 0,1,0,4\ 0,0,1,10\ 1,0,0,11\ 0,1,0,4\ 0,0,1,10\ 1,0,0,11\ 0,1,0,4\ 0,0,1,10\ 1,0,0,11\ 0,1,0,4\ 0,0,1,10\ 1,0,0,11\ 0,1,0,4\ 0,0,1,10\ 1,0,0,11\ 0,1,0,4\ 0,0,1,10\ 1,0,0,11\ 0,1,0,4\ 0,0,1,10\ 1,0,0,11\ 0,1,0,4\ 0,0,1,10\ 1,0,0,11\ 0,1,0,4\ 0,0,1,10\ 1,0,0,11\ 0,1,0,4\ 0,0,1,12\ 1,0,0,11\ 0,1,0,4\$$

$$L_{3084} = egin{bmatrix} 1,0,0,11 \ 0,1,0,4 \ 0,0,1,13 \ \end{bmatrix} \ L_{3085} = egin{bmatrix} 1,0,0,11 \ 0,1,0,4 \ 0,0,1,14 \ \end{bmatrix} \ L_{3086} = egin{bmatrix} 1,0,0,11 \ 0,1,0,4 \ 0,0,1,15 \ \end{bmatrix} \ L_{3087} = egin{bmatrix} 1,0,11,0 \ 0,1,4,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3088} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,2 \ \end{bmatrix} \ L_{3090} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,3 \ \end{bmatrix} \ L_{3091} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,4 \ \end{bmatrix} \ L_{3093} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,5 \ \end{bmatrix} \ L_{3094} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,6 \ \end{bmatrix} \ L_{3095} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,7 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,0,0,11 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3097} = egin{bmatrix} 1,$$

$$L_{3098} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,5\\ 0,0,1,10 \end{bmatrix}$$

$$L_{3099} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,5\\ 0,0,1,11 \end{bmatrix}$$

$$L_{3100} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,5\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3101} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,5\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3102} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,5\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3103} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,5\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3104} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,5\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3105} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,6\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3106} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,6\\ 0,0,1,1 \end{bmatrix}$$

$$L_{3107} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,6\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3108} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,6\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3109} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,6\\ 0,0,1,4 \end{bmatrix}$$

$$L_{3110} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,6\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3111} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,6\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3111} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,6\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3112} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,6\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3113} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,6\\ 0,0,1,8 \end{bmatrix}$$

$$L_{3114} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,6\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3115} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,6\\ 0,0,1,10 \end{bmatrix}$$

$$L_{3116} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,6\\ 0,0,1,11 \end{bmatrix}$$

$$L_{3117} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,6\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3118} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,6\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3119} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,6\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3120} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,6\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3121} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,6\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3122} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,6\\ 0,0,0,1,1 \end{bmatrix}$$

$$L_{3123} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,7\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3124} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,7\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3125} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,7\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3125} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,7\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3126} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,7\\ 0,0,1,4 \end{bmatrix}$$

$$L_{3127} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,7\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3128} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,7\\ 0,0,1,6 \end{bmatrix}$$

$$L_{3129} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,7\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3130} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,7\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3131} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,7\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3132} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,7\\ 0,0,1,10 \end{bmatrix}$$

$$L_{3133} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,7\\ 0,0,1,10 \end{bmatrix}$$

$$L_{3134} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,7\\ 0,0,1,11 \end{bmatrix}$$

$$L_{3135} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,7\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3136} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,7\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3136} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,7\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3138} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,7\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3139} = \begin{bmatrix} 1,0,11,0\\ 0,1,7,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{3139} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,7\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3140} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,8\\ 0,0,1,1 \end{bmatrix}$$

$$L_{3141} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,8\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3142} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,8\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3143} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,8\\ 0,0,1,4 \end{bmatrix}$$

$$L_{3144} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,8\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3145} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,8\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3146} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,8\\ 0,0,1,6 \end{bmatrix}$$

$$L_{3147} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,8\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3148} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,8\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3149} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,8\\ 0,0,1,10 \end{bmatrix}$$

$$L_{3150} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,8\\ 0,0,1,11 \end{bmatrix}$$

$$L_{3151} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,8\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3152} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,8\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3153} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,8\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3153} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,8\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3153} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,8\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3154} = egin{bmatrix} 1,0,0,11 \ 0,1,0,8 \ 0,0,1,15 \ 1,0,11,0 \ 0,1,8,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3156} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,1 \ \end{bmatrix} \ L_{3157} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,2 \ \end{bmatrix} \ L_{3158} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,3 \ \end{bmatrix} \ L_{3160} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,4 \ \end{bmatrix} \ L_{3161} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,5 \ \end{bmatrix} \ L_{3162} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,5 \ \end{bmatrix} \ L_{3163} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,7 \ \end{bmatrix} \ L_{3164} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,8 \ \end{bmatrix} \ L_{3165} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,9 \ \end{bmatrix} \ L_{3166} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,9 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,10 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,10 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix} \ L_{3167} = egin{bmatrix} 1,0,0,11 \ 0,$$

$$L_{3168} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,12 \ 1,0,0,11 \ 0,1,0,9 \ 0,0,1,13 \ \end{bmatrix}$$
 $L_{3169} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,14 \ \end{bmatrix}$
 $L_{3170} = egin{bmatrix} 1,0,0,11 \ 0,1,0,9 \ 0,0,1,15 \ \end{bmatrix}$
 $L_{3171} = egin{bmatrix} 1,0,11,0 \ 0,1,9,0 \ 0,0,0,1 \ \end{bmatrix}$
 $L_{3172} = egin{bmatrix} 1,0,0,11 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix}$
 $L_{3173} = egin{bmatrix} 1,0,0,11 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix}$
 $L_{3174} = egin{bmatrix} 1,0,0,11 \ 0,1,0,10 \ 0,0,1,2 \ \end{bmatrix}$
 $L_{3175} = egin{bmatrix} 1,0,0,11 \ 0,1,0,10 \ 0,0,1,3 \ \end{bmatrix}$
 $L_{3178} = egin{bmatrix} 1,0,0,11 \ 0,1,0,10 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{3179} = egin{bmatrix} 1,0,0,11 \ 0,1,0,10 \ 0,0,1,6 \ \end{bmatrix}$
 $L_{3180} = egin{bmatrix} 1,0,0,11 \ 0,1,0,10 \ 0,0,1,7 \ \end{bmatrix}$
 $L_{3181} = egin{bmatrix} 1,0,0,11 \ 0,1,0,10 \ 0,0,1,8 \ \end{bmatrix}$

$$L_{3182} = egin{bmatrix} 1,0,0,11 \ 0,1,0,10 \ 0,0,1,9 \ 1,0,0,11 \ 0,0,1,10 \ 0,0,1,10 \ \end{bmatrix}$$
 $L_{3183} = egin{bmatrix} 1,0,0,11 \ 0,1,0,10 \ 0,0,1,11 \ \end{bmatrix}$
 $L_{3184} = egin{bmatrix} 1,0,0,11 \ 0,0,1,12 \ \end{bmatrix}$
 $L_{3185} = egin{bmatrix} 1,0,0,11 \ 0,0,1,12 \ \end{bmatrix}$
 $L_{3186} = egin{bmatrix} 1,0,0,11 \ 0,0,1,13 \ \end{bmatrix}$
 $L_{3187} = egin{bmatrix} 1,0,0,11 \ 0,0,1,13 \ \end{bmatrix}$
 $L_{3188} = egin{bmatrix} 1,0,0,11 \ 0,0,1,10 \ 0,0,1,15 \ \end{bmatrix}$
 $L_{3190} = egin{bmatrix} 1,0,0,11 \ 0,0,1,0 \ \end{bmatrix}$
 $L_{3191} = egin{bmatrix} 1,0,0,11 \ 0,0,1,0 \ \end{bmatrix}$
 $L_{3192} = egin{bmatrix} 1,0,0,11 \ 0,0,1,2 \ \end{bmatrix}$
 $L_{3193} = egin{bmatrix} 1,0,0,11 \ 0,0,1,3 \ \end{bmatrix}$
 $L_{3194} = egin{bmatrix} 1,0,0,11 \ 0,0,1,4 \ \end{bmatrix}$
 $L_{3195} = egin{bmatrix} 1,0,0,11 \ 0,0,1,5 \ \end{bmatrix}$

$$L_{3196} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,11\\ 0,0,1,6 \end{bmatrix}$$

$$L_{3197} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,11\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3198} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,11\\ 0,0,1,8 \end{bmatrix}$$

$$L_{3199} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,11\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3200} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,11\\ 0,0,1,10 \end{bmatrix}$$

$$L_{3201} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,11\\ 0,0,1,11 \end{bmatrix}$$

$$L_{3202} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,11\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3203} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,11\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3204} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,11\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3204} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,11\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3205} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,11\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3206} = \begin{bmatrix} 1,0,1,0\\ 0,1,1,0\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3208} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,12\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3209} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,12\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3209} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,12\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3210} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,12\\ 0,0,1,3 \end{bmatrix} \\ L_{3211} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,12\\ 0,0,1,4 \end{bmatrix} \\ L_{3212} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,12\\ 0,0,1,5 \end{bmatrix} \\ L_{3213} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,12\\ 0,0,1,6 \end{bmatrix} \\ L_{3214} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,12\\ 0,0,1,7 \end{bmatrix} \\ L_{3215} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,12\\ 0,0,1,7 \end{bmatrix} \\ L_{3216} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,12\\ 0,0,1,9 \end{bmatrix} \\ L_{3217} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,12\\ 0,0,1,10 \end{bmatrix} \\ L_{3218} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,12\\ 0,0,1,11 \end{bmatrix} \\ L_{3220} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,12\\ 0,0,1,11 \end{bmatrix} \\ L_{3221} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,12\\ 0,0,1,13 \end{bmatrix} \\ L_{3222} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,12\\ 0,0,1,14 \end{bmatrix} \\ L_{3223} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,12\\ 0,0,1,15 \end{bmatrix} \\ L_{3223} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,12\\ 0,0,1,15 \end{bmatrix} \\ L_{3223} = \begin{bmatrix} 1,0,1,0\\ 0,1,0,12\\ 0,0,0,1 \end{bmatrix} \\ L_{3223} = \begin{bmatrix} 1,0,1,0\\ 0,1,0,12\\ 0,0,1,15 \end{bmatrix} \\ L_{3223} = \begin{bmatrix} 1,0,1,0\\ 0,1,2,0\\ 0,0,0,1 \end{bmatrix} \\ L_{3223} = \begin{bmatrix} 1,0,0\\ 0,1,2,0\\ 0,0,0,1 \end{bmatrix} \\ L_{3233} = \begin{bmatrix} 1,0,0\\ 0,1,2,0\\ 0,0,0,1 \end{bmatrix} \\ L_{3234} = \begin{bmatrix} 1,0,0\\ 0,1,2,0\\ 0,0,1 \end{bmatrix} \\ L_{3234} = \begin{bmatrix} 1,0,0\\ 0,1$$

$$L_{3224} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{3225} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,2 \ \end{bmatrix} \ L_{3226} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,3 \ \end{bmatrix} \ L_{3227} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,4 \ \end{bmatrix} \ L_{3228} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{3230} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,6 \ \end{bmatrix} \ L_{3231} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,7 \ \end{bmatrix} \ L_{3232} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,9 \ \end{bmatrix} \ L_{3234} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,10 \ \end{bmatrix} \ L_{3236} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,11 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,12 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,12 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{3237} = egin{bmatrix} 1,0,0,11 \$$

$$L_{3238} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,13\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3239} = \begin{bmatrix} 1,0,0,11\\ 1,0,0,11\\ 0,1,0,13\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3240} = \begin{bmatrix} 1,0,11,0\\ 0,1,13,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{3241} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,14\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3242} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,14\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3243} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,14\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3244} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,14\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3245} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,14\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3246} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,14\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3247} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,14\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3249} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,14\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3250} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,14\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3251} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,14\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3251} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,14\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3252} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,14\\ 0,0,1,11 \end{bmatrix}$$

$$L_{3253} = \begin{bmatrix} 1,0,0,11\\ 1,0,0,11\\ 0,1,0,14\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3254} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,14\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3255} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,14\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3256} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,14\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3257} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3258} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3259} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3260} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3261} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3262} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,4 \end{bmatrix}$$

$$L_{3263} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,4 \end{bmatrix}$$

$$L_{3264} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3265} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,6 \end{bmatrix}$$

$$L_{3265} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,6 \end{bmatrix}$$

$$L_{3265} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,6 \end{bmatrix}$$

$$L_{3266} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,8 \end{bmatrix}$$

$$L_{3267} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3268} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,10 \end{bmatrix}$$

$$L_{3269} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,11 \end{bmatrix}$$

$$L_{3270} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3271} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3272} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3273} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3274} = \begin{bmatrix} 1,0,0,11\\ 0,1,0,15\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3275} = \begin{bmatrix} 1,0,11,0\\ 0,0,1,15\\ 0,0,0,1 \end{bmatrix}$$

$$L_{3276} = \begin{bmatrix} 1,0,0,12\\ 0,1,0,0\\ 0,0,1,1 \end{bmatrix}$$

$$L_{3278} = \begin{bmatrix} 1,0,0,12\\ 0,1,0,0\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3279} = \begin{bmatrix} 1,0,0,12\\ 0,1,0,0\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3279} = \begin{bmatrix} 1,0,0,12\\ 0,1,0,0\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3279} = \begin{bmatrix} 1,0,0,12\\ 0,1,0,0\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3280} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,1,4 \ 1,0,0,12 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{3282} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,1,6 \ \end{bmatrix} \ L_{3283} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,1,7 \ \end{bmatrix} \ L_{3284} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,1,8 \ \end{bmatrix} \ L_{3285} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,1,10 \ \end{bmatrix} \ L_{3286} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,1,11 \ \end{bmatrix} \ L_{3288} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{3289} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,1,13 \ \end{bmatrix} \ L_{3290} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,1,14 \ \end{bmatrix} \ L_{3291} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,1,15 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,12 \ 0,0,0,0 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,0 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,0 \ \end{bmatrix} \ L_{3293} = egin{bmatrix} 1,0,0,0 \ \end{bmatrix} \ L_{329$$

$$L_{3294} = \begin{bmatrix} 1,0,0,12\\0,1,0,1\\0,0,1,1 \end{bmatrix} \\ 0,0,1,1 \end{bmatrix}$$

$$L_{3295} = \begin{bmatrix} 0,1,0,1\\0,0,1,2 \end{bmatrix} \\ 0,1,0,1\\0,0,1,3 \end{bmatrix}$$

$$L_{3296} = \begin{bmatrix} 1,0,0,12\\0,1,0,1\\0,0,1,3 \end{bmatrix} \\ 1,0,0,12\\0,1,0,1\\0,0,1,4 \end{bmatrix}$$

$$L_{3298} = \begin{bmatrix} 1,0,0,12\\0,1,0,1\\0,0,1,5 \end{bmatrix} \\ 1,0,0,12\\0,1,0,1\\0,0,1,6 \end{bmatrix}$$

$$L_{3300} = \begin{bmatrix} 1,0,0,12\\0,1,0,1\\0,0,1,7 \end{bmatrix} \\ 1,0,0,12\\0,1,0,1\\0,0,1,8 \end{bmatrix}$$

$$L_{3301} = \begin{bmatrix} 1,0,0,12\\0,1,0,1\\0,0,1,7 \end{bmatrix}$$

$$L_{3302} = \begin{bmatrix} 1,0,0,12\\0,1,0,1\\0,0,1,9 \end{bmatrix}$$

$$L_{3303} = \begin{bmatrix} 1,0,0,12\\0,1,0,1\\0,0,1,10 \end{bmatrix}$$

$$L_{3304} = \begin{bmatrix} 1,0,0,12\\0,1,0,1\\0,0,1,11 \end{bmatrix}$$

$$L_{3305} = \begin{bmatrix} 1,0,0,12\\0,1,0,1\\0,0,1,12 \end{bmatrix}$$

$$L_{3306} = \begin{bmatrix} 1,0,0,12\\0,1,0,1\\0,0,1,13 \end{bmatrix}$$

$$L_{3307} = \begin{bmatrix} 1,0,0,12\\0,1,0,1\\0,0,1,14 \end{bmatrix}$$

$$L_{3308} = \begin{bmatrix} 1,0,0,12\\0,1,0,1\\0,0,1,15 \end{bmatrix} \\ 0,1,0,0\\0,0,0,1 \end{bmatrix}$$

$$L_{3309} = \begin{bmatrix} 1,0,0,12\\0,1,0,2\\0,0,0,1 \end{bmatrix} \\ 1,0,0,12\\0,0,1,0 \end{bmatrix}$$

$$L_{3311} = \begin{bmatrix} 1,0,0,12\\0,1,0,2\\0,0,1,1 \end{bmatrix} \\ 1,0,0,12\\0,0,1,2 \end{bmatrix}$$

$$L_{3312} = \begin{bmatrix} 1,0,0,12\\0,1,0,2\\0,0,1,3 \end{bmatrix} \\ 1,0,0,12\\0,0,1,3 \end{bmatrix}$$

$$L_{3313} = \begin{bmatrix} 1,0,0,12\\0,1,0,2\\0,0,1,3 \end{bmatrix} \\ 1,0,0,12\\0,0,1,4 \end{bmatrix}$$

$$L_{3315} = \begin{bmatrix} 1,0,0,12\\0,1,0,2\\0,0,1,5 \end{bmatrix} \\ 1,0,0,12\\0,0,1,5 \end{bmatrix}$$

$$L_{3316} = \begin{bmatrix} 1,0,0,12\\0,1,0,2\\0,0,1,6 \end{bmatrix} \\ 1,0,0,12\\0,0,1,0,2\\0,0,1,6 \end{bmatrix}$$

$$L_{3319} = \begin{bmatrix} 1,0,0,12\\0,1,0,2\\0,0,1,9 \end{bmatrix} \\ 1,0,0,12\\0,0,1,9 \end{bmatrix}$$

$$L_{3320} = \begin{bmatrix} 1,0,0,12\\0,1,0,2\\0,0,1,0,2\\0,0,1,10 \end{bmatrix}$$

$$L_{3321} = \begin{bmatrix} 1,0,0,12\\0,1,0,2\\0,0,1,0,2\\0,0,1,10 \end{bmatrix}$$

$$L_{0,1,0,2}\begin{bmatrix}0,1,0,2\\0,0,1,0,2\\0,0,1,10 \end{bmatrix}$$

$$L_{0,1,0,2}\begin{bmatrix}0,1,0,2\\0,0,1,10\end{bmatrix}$$

$$L_{0,0,12}\begin{bmatrix}0,1,0,2\\0,0,1,10\end{bmatrix}$$

$$L_{0,1,0,2}\begin{bmatrix}0,1,0,2\\0,0,1,10\end{bmatrix}$$

$$L_{0,1,0,2}\begin{bmatrix}0,1,0,2\\0,0,1,11\end{bmatrix}$$

$$L_{3322} = \begin{bmatrix} 1,0,0,12\\0,1,0,2\\0,0,1,12 \end{bmatrix} \\ 0,0,0,12\\1,0,0,12\\1,0,0,12\\0,0,1,13 \end{bmatrix} \\ L_{3324} = \begin{bmatrix} 1,0,0,12\\0,1,0,2\\0,0,1,14 \end{bmatrix} \\ L_{3325} = \begin{bmatrix} 1,0,0,12\\0,1,0,2\\0,0,1,15 \end{bmatrix} \\ L_{3326} = \begin{bmatrix} 1,0,12,0\\0,1,2,0\\0,0,0,1 \end{bmatrix} \\ L_{3327} = \begin{bmatrix} 1,0,0,12\\0,1,0,3\\0,0,1,0 \end{bmatrix} \\ L_{3328} = \begin{bmatrix} 1,0,0,12\\0,1,0,3\\0,0,1,1 \end{bmatrix} \\ L_{3329} = \begin{bmatrix} 1,0,0,12\\0,1,0,3\\0,0,1,2 \end{bmatrix} \\ L_{3330} = \begin{bmatrix} 1,0,0,12\\0,1,0,3\\0,0,1,3 \end{bmatrix} \\ L_{3331} = \begin{bmatrix} 1,0,0,12\\0,1,0,3\\0,0,1,4 \end{bmatrix} \\ L_{3332} = \begin{bmatrix} 1,0,0,12\\0,1,0,3\\0,0,1,5 \end{bmatrix} \\ L_{3333} = \begin{bmatrix} 1,0,0,12\\0,1,0,3\\0,0,1,5 \end{bmatrix} \\ L_{3334} = \begin{bmatrix} 1,0,0,12\\0,1,0,3\\0,0,1,6 \end{bmatrix} \\ L_{3335} = \begin{bmatrix} 1,0,0,12\\0,1,0,3\\0,0,1,8 \end{bmatrix} \\ L_{3335} = \begin{bmatrix} 1,0,0,12\\0,1,0,3\\0,0,1,8 \end{bmatrix}$$

$$L_{3336} = \begin{bmatrix} 1,0,0,12\\0,1,0,3\\0,0,1,9 \end{bmatrix} \\ L_{3337} = \begin{bmatrix} 1,0,0,12\\0,1,0,3\\0,0,1,10 \end{bmatrix} \\ L_{3338} = \begin{bmatrix} 1,0,0,12\\0,1,0,3\\0,0,1,11 \end{bmatrix} \\ L_{3339} = \begin{bmatrix} 1,0,0,12\\0,1,0,3\\0,0,1,12 \end{bmatrix} \\ L_{3340} = \begin{bmatrix} 1,0,0,12\\0,1,0,3\\0,0,1,13 \end{bmatrix} \\ L_{3341} = \begin{bmatrix} 1,0,0,12\\0,1,0,3\\0,0,1,14 \end{bmatrix} \\ L_{3342} = \begin{bmatrix} 1,0,0,12\\0,1,0,3\\0,0,1,15 \end{bmatrix} \\ L_{3343} = \begin{bmatrix} 1,0,0,12\\0,1,0,3\\0,0,1,15 \end{bmatrix} \\ L_{3344} = \begin{bmatrix} 1,0,0,12\\0,1,0,4\\0,0,1,0 \end{bmatrix} \\ L_{3345} = \begin{bmatrix} 1,0,0,12\\0,1,0,4\\0,0,1,1 \end{bmatrix} \\ L_{3346} = \begin{bmatrix} 1,0,0,12\\0,1,0,4\\0,0,1,2 \end{bmatrix} \\ L_{3348} = \begin{bmatrix} 1,0,0,12\\0,1,0,4\\0,0,1,3 \end{bmatrix} \\ L_{3349} = \begin{bmatrix} 1,0,0,12\\0,1,0,4\\0,0,1,4\\1,0,0,12\\0,1,0,4\\0,0,1,4 \end{bmatrix} \\ L_{3349} = \begin{bmatrix} 1,0,0,12\\0,1,0,4\\0,0,1,3 \end{bmatrix} \\ L_{3349} = \begin{bmatrix} 1,0,0,12\\0,1,0,4\\0,0,1,4\\0,0,1,5 \end{bmatrix}$$

$$L_{3350} = \begin{bmatrix} 1,0,0,12\\0,1,0,4\\0,0,1,6 \end{bmatrix} \\ 0,0,1,6 \end{bmatrix}$$

$$L_{3351} = \begin{bmatrix} 1,0,0,12\\0,1,0,4\\0,0,1,7 \end{bmatrix} \\ L_{3352} = \begin{bmatrix} 1,0,0,12\\0,1,0,4\\0,0,1,8 \end{bmatrix} \\ L_{3353} = \begin{bmatrix} 1,0,0,12\\0,1,0,4\\0,0,1,9 \end{bmatrix} \\ 1,0,0,12\\0,1,0,4\\0,0,1,10 \end{bmatrix} \\ L_{3354} = \begin{bmatrix} 1,0,0,12\\0,1,0,4\\0,0,1,11 \end{bmatrix} \\ L_{3355} = \begin{bmatrix} 1,0,0,12\\0,1,0,4\\0,0,1,11 \end{bmatrix} \\ 1,0,0,12\\0,1,0,4\\0,0,1,13 \end{bmatrix} \\ L_{3357} = \begin{bmatrix} 1,0,0,12\\0,1,0,4\\0,0,1,13 \end{bmatrix} \\ L_{3358} = \begin{bmatrix} 1,0,0,12\\0,1,0,4\\0,0,1,14 \end{bmatrix} \\ L_{3360} = \begin{bmatrix} 1,0,0,12\\0,1,0,4\\0,0,1,15 \end{bmatrix} \\ 1,0,0,12\\0,1,0,4\\0,0,1,15 \end{bmatrix} \\ 1,0,0,12\\0,1,0,4\\0,0,1,15 \end{bmatrix} \\ 1,0,0,12\\0,1,0,5\\0,0,1,0 \end{bmatrix} \\ L_{3363} = \begin{bmatrix} 1,0,0,12\\0,1,0,5\\0,0,1,1 \end{bmatrix} \\ 1,0,0,12\\0,1,0,5\\0,0,1,1 \end{bmatrix}$$

$$L_{3363} = \begin{bmatrix} 1,0,0,12\\0,1,0,5\\0,0,1,1 \end{bmatrix} \\ 1,0,0,12\\0,1,0,5\\0,0,1,2 \end{bmatrix}$$

$$L_{3364} = egin{bmatrix} 1,0,0,12 \ 0,1,0,5 \ 0,0,1,3 \ \end{bmatrix} \ L_{3365} = egin{bmatrix} 1,0,0,12 \ 0,1,0,5 \ 0,0,1,4 \ \end{bmatrix} \ L_{3366} = egin{bmatrix} 1,0,0,12 \ 0,1,0,5 \ 0,0,1,5 \ \end{bmatrix} \ L_{3367} = egin{bmatrix} 1,0,0,12 \ 0,1,0,5 \ 0,0,1,7 \ \end{bmatrix} \ L_{3369} = egin{bmatrix} 1,0,0,12 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3370} = egin{bmatrix} 1,0,0,12 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix} \ L_{3371} = egin{bmatrix} 1,0,0,12 \ 0,1,0,5 \ 0,0,1,10 \ \end{bmatrix} \ L_{3372} = egin{bmatrix} 1,0,0,12 \ 0,1,0,5 \ 0,0,1,11 \ \end{bmatrix} \ L_{3373} = egin{bmatrix} 1,0,0,12 \ 0,1,0,5 \ 0,0,1,13 \ \end{bmatrix} \ L_{3375} = egin{bmatrix} 1,0,0,12 \ 0,1,0,5 \ 0,0,1,14 \ \end{bmatrix} \ L_{3376} = egin{bmatrix} 1,0,0,12 \ 0,1,0,5 \ 0,0,1,15 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,0,12 \ 0,1,0,5 \ 0,0,1,15 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,15 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,15 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,0,2 \ 0,1,0,5 \ 0,0,1,15 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,12,0 \ 0,1,5,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,12,0 \ 0,1,5,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,12,0 \ 0,1,5,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,12,0 \ 0,1,5,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,12,0 \ 0,1,5,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,12,0 \ 0,1,5,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,12,0 \ 0,1,5,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,12,0 \ 0,1,5,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,12,0 \ 0,1,5,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,12,0 \ 0,1,5,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,12,0 \ 0,1,5,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,12,0 \ 0,1,5,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,12,0 \ 0,1,5,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,12,0 \ 0,1,5,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,12,0 \ 0,1,5,0 \ 0,0,0,0,1 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,12,0 \ 0,1,5,0 \ 0,0,0,0,1 \ \end{bmatrix} \ L_{3377} = egin{bmatrix} 1,0,12,0 \ 0,1,0,12 \ 0,1,0,12 \ 0,1,0,12 \ 0,1,0,12 \ 0,1,0,12 \ 0,1,0,12 \ 0,1,0,12 \ 0,1,0,12 \ 0,1,0,12 \ 0,1,0,1$$

$$L_{3378} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,0 \ 1,0,0,12 \ 0,1,0,6 \ 0,0,1,1 \ \end{bmatrix} \ L_{3380} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,3 \ \end{bmatrix} \ L_{3381} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,3 \ \end{bmatrix} \ L_{3382} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,5 \ \end{bmatrix} \ L_{3384} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,5 \ \end{bmatrix} \ L_{3385} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,7 \ \end{bmatrix} \ L_{3386} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,8 \ \end{bmatrix} \ L_{3388} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,9 \ \end{bmatrix} \ L_{3389} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,10 \ \end{bmatrix} \ L_{3390} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,12 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \ 0,1,0,6 \ 0,0,1,13 \ \end{bmatrix} \ L_{3391} = egin{bmatrix} 1,0,0,12 \$$

$$L_{3392} = \begin{bmatrix} 1,0,0,12\\ 0,1,0,6\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3393} = \begin{bmatrix} 1,0,0,12\\ 0,1,0,6\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3394} = \begin{bmatrix} 1,0,12,0\\ 0,1,6,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{3395} = \begin{bmatrix} 1,0,0,12\\ 0,1,0,7\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3396} = \begin{bmatrix} 1,0,0,12\\ 0,1,0,7\\ 0,0,1,1 \end{bmatrix}$$

$$L_{3397} = \begin{bmatrix} 1,0,0,12\\ 0,1,0,7\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3398} = \begin{bmatrix} 1,0,0,12\\ 0,1,0,7\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3400} = \begin{bmatrix} 1,0,0,12\\ 0,1,0,7\\ 0,0,1,4 \end{bmatrix}$$

$$L_{3401} = \begin{bmatrix} 1,0,0,12\\ 0,1,0,7\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3402} = \begin{bmatrix} 1,0,0,12\\ 0,1,0,7\\ 0,0,1,6 \end{bmatrix}$$

$$L_{3403} = \begin{bmatrix} 1,0,0,12\\ 0,1,0,7\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3404} = \begin{bmatrix} 1,0,0,12\\ 0,1,0,7\\ 0,0,1,8 \end{bmatrix}$$

$$L_{3405} = \begin{bmatrix} 1,0,0,12\\ 0,1,0,7\\ 0,0,1,9 \end{bmatrix}$$

$$L_{0,1,0,7} = \begin{bmatrix} 1,0,0,12\\ 0,1,0,7\\ 0,0,1,10 \end{bmatrix}$$

$$L_{3406} = \begin{bmatrix} 1,0,0,12\\0,1,0,7\\0,0,1,11 \end{bmatrix} \\ L_{3407} = \begin{bmatrix} 0,0,0,12\\0,1,0,7\\0,0,1,12 \end{bmatrix} \\ L_{3408} = \begin{bmatrix} 1,0,0,12\\0,1,0,7\\0,0,1,13 \end{bmatrix} \\ L_{3409} = \begin{bmatrix} 1,0,0,12\\0,1,0,7\\0,0,1,14 \end{bmatrix} \\ L_{3410} = \begin{bmatrix} 1,0,0,12\\0,1,0,7\\0,0,1,14 \end{bmatrix} \\ L_{3411} = \begin{bmatrix} 1,0,0,12\\0,1,0,7\\0,0,0,1 \end{bmatrix} \\ L_{3412} = \begin{bmatrix} 1,0,0,12\\0,1,0,8\\0,0,1,0 \end{bmatrix} \\ L_{3413} = \begin{bmatrix} 1,0,0,12\\0,1,0,8\\0,0,1,1 \end{bmatrix} \\ L_{3414} = \begin{bmatrix} 1,0,0,12\\0,1,0,8\\0,0,1,2 \end{bmatrix} \\ L_{3415} = \begin{bmatrix} 1,0,0,12\\0,1,0,8\\0,0,1,3 \end{bmatrix} \\ L_{3416} = \begin{bmatrix} 1,0,0,12\\0,1,0,8\\0,0,1,4 \end{bmatrix} \\ L_{3417} = \begin{bmatrix} 1,0,0,12\\0,1,0,8\\0,0,1,5 \end{bmatrix} \\ L_{3418} = \begin{bmatrix} 1,0,0,12\\0,1,0,8\\0,0,1,6 \end{bmatrix} \\ L_{3419} = \begin{bmatrix} 1,0,0,12\\0,1,0,8\\0,0,1,7 \end{bmatrix} \\ L_{3419} = \begin{bmatrix} 1,0,0,12\\0,1,0,8\\0,1,1 \end{bmatrix} \\ L_{3419} = \begin{bmatrix} 1,0,0,12\\0,1$$

$$L_{3420} = \begin{bmatrix} 1,0,0,12\\0,1,0,8\\0,0,1,8 \end{bmatrix} \\ l,0,0,12\\0,1,0,8\\0,0,1,9 \end{bmatrix} \\ L_{3421} = \begin{bmatrix} 1,0,0,12\\0,1,0,8\\0,0,1,10 \end{bmatrix} \\ l,0,0,12\\0,1,0,8\\0,0,1,11 \end{bmatrix} \\ l_{3423} = \begin{bmatrix} 1,0,0,12\\0,1,0,8\\0,0,1,11 \end{bmatrix} \\ l_{3424} = \begin{bmatrix} 1,0,0,12\\0,1,0,8\\0,0,1,11 \end{bmatrix} \\ l_{3425} = \begin{bmatrix} 1,0,0,12\\0,1,0,8\\0,0,1,13 \end{bmatrix} \\ l_{3426} = \begin{bmatrix} 1,0,0,12\\0,1,0,8\\0,0,1,13 \end{bmatrix} \\ l_{3427} = \begin{bmatrix} 1,0,0,12\\0,1,0,8\\0,0,1,14 \end{bmatrix} \\ l_{3428} = \begin{bmatrix} 1,0,0,12\\0,1,0,8\\0,0,1,15 \end{bmatrix} \\ l_{3429} = \begin{bmatrix} 1,0,0,12\\0,1,0,9\\0,0,1,0 \end{bmatrix} \\ l_{3430} = \begin{bmatrix} 1,0,0,12\\0,1,0,9\\0,0,1,1 \end{bmatrix} \\ l_{3431} = \begin{bmatrix} 1,0,0,12\\0,1,0,9\\0,0,1,2 \end{bmatrix} \\ l_{3432} = \begin{bmatrix} 1,0,0,12\\0,1,0,9\\0,0,1,3 \end{bmatrix} \\ l_{3433} = \begin{bmatrix} 1,0,0,12\\0,1,0,9\\0,0,1,4 \end{bmatrix} \\ l_{3433} = \begin{bmatrix} 1,0,0,12\\0,1,0,9\\0,1,1 \end{bmatrix} \\ l_{343$$

$$L_{3434} = \begin{bmatrix} 1,0,0,12\\0,1,0,9\\0,0,1,5 \end{bmatrix} \\ L_{3435} = \begin{bmatrix} 1,0,0,12\\0,1,0,9\\0,0,1,6 \end{bmatrix} \\ L_{3436} = \begin{bmatrix} 1,0,0,12\\0,1,0,9\\0,0,1,7 \end{bmatrix} \\ L_{3437} = \begin{bmatrix} 1,0,0,12\\0,1,0,9\\0,0,1,8 \end{bmatrix} \\ L_{3438} = \begin{bmatrix} 1,0,0,12\\0,1,0,9\\0,0,1,9 \end{bmatrix} \\ L_{3449} = \begin{bmatrix} 1,0,0,12\\0,1,0,9\\0,0,1,10 \end{bmatrix} \\ L_{3440} = \begin{bmatrix} 1,0,0,12\\0,1,0,9\\0,0,1,11 \end{bmatrix} \\ L_{3441} = \begin{bmatrix} 1,0,0,12\\0,1,0,9\\0,0,1,12 \end{bmatrix} \\ L_{3442} = \begin{bmatrix} 1,0,0,12\\0,1,0,9\\0,0,1,13 \end{bmatrix} \\ L_{3444} = \begin{bmatrix} 1,0,0,12\\0,1,0,9\\0,0,1,14 \end{bmatrix} \\ L_{3445} = \begin{bmatrix} 1,0,0,12\\0,1,0,9\\0,0,1,15 \end{bmatrix} \\ L_{3446} = \begin{bmatrix} 1,0,0,12\\0,1,0,9\\0,0,0,1 \end{bmatrix} \\ L_{3446} = \begin{bmatrix} 1,0,0,12\\0,1,0,0\\0,0,1,0 \end{bmatrix} \\ L_{3447} = \begin{bmatrix} 1,0,0,12\\0,1,0,10\\0,0,1,0 \end{bmatrix} \\ L_{3447} = \begin{bmatrix} 1,0,0,12\\0,1,0,10\\0,0,1,0 \end{bmatrix} \\ 0,0,0,1,1 \end{bmatrix}$$

$$L_{3448} = \begin{bmatrix} 1,0,0,12\\0,1,0,10\\0,0,1,2 \end{bmatrix} \\ L_{3449} = \begin{bmatrix} 1,0,0,12\\0,1,0,10\\0,0,1,3 \end{bmatrix} \\ L_{3450} = \begin{bmatrix} 1,0,0,12\\0,1,0,10\\0,0,1,4 \end{bmatrix} \\ L_{3451} = \begin{bmatrix} 1,0,0,12\\0,1,0,10\\0,0,1,5 \end{bmatrix} \\ L_{3452} = \begin{bmatrix} 1,0,0,12\\0,1,0,10\\0,0,1,6 \end{bmatrix} \\ L_{3453} = \begin{bmatrix} 1,0,0,12\\0,1,0,10\\0,0,1,7 \end{bmatrix} \\ L_{3454} = \begin{bmatrix} 1,0,0,12\\0,1,0,10\\0,0,1,7 \end{bmatrix} \\ L_{3455} = \begin{bmatrix} 1,0,0,12\\0,1,0,10\\0,0,1,8 \end{bmatrix} \\ L_{3456} = \begin{bmatrix} 1,0,0,12\\0,1,0,10\\0,0,1,10 \end{bmatrix} \\ L_{3457} = \begin{bmatrix} 1,0,0,12\\0,1,0,10\\0,0,1,11 \end{bmatrix} \\ L_{3458} = \begin{bmatrix} 1,0,0,12\\0,1,0,10\\0,0,1,11 \end{bmatrix} \\ L_{3459} = \begin{bmatrix} 1,0,0,12\\0,1,0,10\\0,0,1,13\\1,0,0,12\\0,1,0,10\\0,0,1,14 \end{bmatrix} \\ L_{3460} = \begin{bmatrix} 1,0,0,12\\0,1,0,10\\0,0,1,14 \end{bmatrix} \\ L_{3461} = \begin{bmatrix} 1,0,0,12\\0,1,0,10\\0,0,1,15 \end{bmatrix}$$

$$L_{3462} = egin{bmatrix} 1,0,12,0\ 0,1,10,0\ 0,0,0,1\ \end{bmatrix} \ L_{3463} = egin{bmatrix} 1,0,0,12\ 0,1,0,11\ 0,0,1,0\ \end{bmatrix} \ L_{3464} = egin{bmatrix} 1,0,0,12\ 0,1,0,11\ 0,0,1,2\ \end{bmatrix} \ L_{3465} = egin{bmatrix} 1,0,0,12\ 0,1,0,11\ 0,0,1,3\ \end{bmatrix} \ L_{3466} = egin{bmatrix} 1,0,0,12\ 0,1,0,11\ 0,0,1,4\ \end{bmatrix} \ L_{3468} = egin{bmatrix} 1,0,0,12\ 0,1,0,11\ 0,0,1,5\ \end{bmatrix} \ L_{3469} = egin{bmatrix} 1,0,0,12\ 0,1,0,11\ 0,0,1,6\ \end{bmatrix} \ L_{3470} = egin{bmatrix} 1,0,0,12\ 0,1,0,11\ 0,0,1,7\ \end{bmatrix} \ L_{3472} = egin{bmatrix} 1,0,0,12\ 0,1,0,11\ 0,0,1,9\ \end{bmatrix} \ L_{3473} = egin{bmatrix} 1,0,0,12\ 0,1,0,11\ 0,0,1,10\ \end{bmatrix} \ L_{3474} = egin{bmatrix} 1,0,0,12\ 0,1,0,11\ 0,0,1,10\ \end{bmatrix} \ L_{3475} = egin{bmatrix} 1,0,0,12\ 0,1,0,11\ 0,0,1,12\ \end{bmatrix} \ L_{3475} = egin{bmatrix} 1,0,0,12\ 0,1,11\ 0,0,1,12\ \end{bmatrix} \ L_{3475} = egin{bmat$$

$$L_{3476} = \begin{bmatrix} 1,0,0,12\\0,1,0,11\\0,0,1,13 \end{bmatrix} \\ L_{3477} = \begin{bmatrix} 1,0,0,12\\0,1,0,11\\0,0,1,14 \end{bmatrix} \\ L_{3478} = \begin{bmatrix} 1,0,0,12\\0,1,0,11\\0,0,1,15 \end{bmatrix} \\ L_{3479} = \begin{bmatrix} 1,0,12,0\\0,1,11,0\\0,0,0,1 \end{bmatrix} \\ L_{3480} = \begin{bmatrix} 1,0,0,12\\0,1,0,12\\0,0,1,0 \end{bmatrix} \\ L_{3481} = \begin{bmatrix} 1,0,0,12\\0,1,0,12\\0,0,1,1 \end{bmatrix} \\ L_{3482} = \begin{bmatrix} 1,0,0,12\\0,1,0,12\\0,0,1,2 \end{bmatrix} \\ L_{3483} = \begin{bmatrix} 1,0,0,12\\0,1,0,12\\0,0,1,3 \end{bmatrix} \\ L_{3484} = \begin{bmatrix} 1,0,0,12\\0,1,0,12\\0,0,1,3 \end{bmatrix} \\ L_{3484} = \begin{bmatrix} 1,0,0,12\\0,1,0,12\\0,0,1,4 \end{bmatrix} \\ L_{3485} = \begin{bmatrix} 1,0,0,12\\0,1,0,12\\0,0,1,6 \end{bmatrix} \\ L_{3487} = \begin{bmatrix} 1,0,0,12\\0,1,0,12\\0,0,1,6 \end{bmatrix} \\ L_{3488} = \begin{bmatrix} 1,0,0,12\\0,0,1,6 \end{bmatrix} \\ L_{3488} = \begin{bmatrix} 1,0,0,12\\0,0,1,6 \end{bmatrix} \\ L_{3489} = \begin{bmatrix} 1,0,0,12\\0,0,1,9 \end{bmatrix} \\ L_{3489} = \begin{bmatrix} 1,0,0,12\\0,1,0,12\\0,0,1,9 \end{bmatrix} \\ L_{3489} = \begin{bmatrix} 1,0,0,12\\0,0,1,9\\0,0,1,9 \end{bmatrix}$$

$$L_{3490} = \begin{bmatrix} 1,0,0,12\\0,1,0,12\\0,0,1,10 \end{bmatrix} \\ 0,0,1,10 \end{bmatrix} \\ L_{3491} = \begin{bmatrix} 1,0,0,12\\0,0,1,11\\0,0,12\\0,0,1,11 \end{bmatrix} \\ L_{3492} = \begin{bmatrix} 1,0,0,12\\0,1,0,12\\0,0,1,12 \end{bmatrix} \\ 0,0,0,12 \\ 0,0,1,13 \end{bmatrix} \\ L_{3493} = \begin{bmatrix} 1,0,0,12\\0,0,1,13\\1,0,0,12\\0,0,1,13 \end{bmatrix} \\ L_{3494} = \begin{bmatrix} 1,0,0,12\\0,0,1,14\\1,0,0,12\\0,0,1,15 \end{bmatrix} \\ L_{3495} = \begin{bmatrix} 1,0,12,0\\0,0,1,15\\1,0,0,12\\0,0,0,1 \end{bmatrix} \\ L_{3496} = \begin{bmatrix} 1,0,0,12\\0,1,0,13\\0,0,1,0 \end{bmatrix} \\ L_{3498} = \begin{bmatrix} 1,0,0,12\\0,1,0,13\\0,0,1,0 \end{bmatrix} \\ L_{3499} = \begin{bmatrix} 1,0,0,12\\0,1,0,13\\0,0,1,1 \end{bmatrix} \\ L_{3500} = \begin{bmatrix} 1,0,0,12\\0,1,0,13\\0,0,1,2 \end{bmatrix} \\ L_{3501} = \begin{bmatrix} 1,0,0,12\\0,1,0,13\\0,0,1,3 \end{bmatrix} \\ 1,0,0,12\\0,1,0,13\\0,0,1,4 \end{bmatrix} \\ L_{3502} = \begin{bmatrix} 1,0,0,12\\0,1,0,13\\0,0,1,6 \end{bmatrix} \\ L_{3503} = \begin{bmatrix} 1,0,0,12\\0,1,0,13\\0,0,1,6 \end{bmatrix}$$

$$L_{3504} = \begin{bmatrix} 1,0,0,12\\0,1,0,13\\0,0,1,7 \end{bmatrix}$$

$$L_{3505} = \begin{bmatrix} 1,0,0,12\\0,1,0,13\\0,0,1,8 \end{bmatrix}$$

$$L_{3506} = \begin{bmatrix} 1,0,0,12\\0,1,0,13\\0,0,1,9 \end{bmatrix}$$

$$L_{3507} = \begin{bmatrix} 1,0,0,12\\0,1,0,13\\0,0,1,10 \end{bmatrix}$$

$$L_{3508} = \begin{bmatrix} 1,0,0,12\\0,1,0,13\\0,0,1,11 \end{bmatrix}$$

$$L_{3509} = \begin{bmatrix} 1,0,0,12\\0,1,0,13\\0,0,1,12 \end{bmatrix}$$

$$L_{3510} = \begin{bmatrix} 1,0,0,12\\0,1,0,13\\0,0,1,12 \end{bmatrix}$$

$$L_{3511} = \begin{bmatrix} 1,0,0,12\\0,1,0,13\\0,0,1,14 \end{bmatrix}$$

$$L_{3512} = \begin{bmatrix} 1,0,0,12\\0,1,0,13\\0,0,1,15 \end{bmatrix}$$

$$L_{3513} = \begin{bmatrix} 1,0,0,12\\0,1,0,13\\0,0,1,15 \end{bmatrix}$$

$$L_{3514} = \begin{bmatrix} 1,0,0,12\\0,1,0,13\\0,0,1,15 \end{bmatrix}$$

$$L_{3515} = \begin{bmatrix} 1,0,0,12\\0,1,0,14\\0,0,1,0 \end{bmatrix}$$

$$L_{3516} = \begin{bmatrix} 1,0,0,12\\0,1,0,14\\0,0,1,2 \end{bmatrix}$$

$$L_{3517} = \begin{bmatrix} 1,0,0,12\\0,1,0,14\\0,0,1,3 \end{bmatrix}$$

$$L_{3518} = \begin{bmatrix} 1,0,0,12\\0,1,0,14\\0,0,1,4 \end{bmatrix} \\ 1,0,0,12\\0,1,0,14\\0,0,1,5 \end{bmatrix}$$

$$L_{3520} = \begin{bmatrix} 1,0,0,12\\0,1,0,14\\0,0,1,6 \end{bmatrix} \\ 1,0,0,12\\0,1,0,14\\0,0,1,7 \end{bmatrix}$$

$$L_{3521} = \begin{bmatrix} 1,0,0,12\\0,1,0,14\\0,0,1,7 \end{bmatrix}$$

$$L_{3522} = \begin{bmatrix} 1,0,0,12\\0,1,0,14\\0,0,1,7 \end{bmatrix}$$

$$L_{3523} = \begin{bmatrix} 1,0,0,12\\0,1,0,14\\0,0,1,9 \end{bmatrix}$$

$$L_{3524} = \begin{bmatrix} 1,0,0,12\\0,1,0,14\\0,0,1,10 \end{bmatrix}$$

$$L_{3525} = \begin{bmatrix} 1,0,0,12\\0,1,0,14\\0,0,1,11 \end{bmatrix}$$

$$L_{3526} = \begin{bmatrix} 1,0,0,12\\0,1,0,14\\0,0,1,12 \end{bmatrix}$$

$$L_{3527} = \begin{bmatrix} 1,0,0,12\\0,1,0,14\\0,0,1,13 \end{bmatrix}$$

$$L_{3528} = \begin{bmatrix} 1,0,0,12\\0,1,0,14\\0,0,1,13 \end{bmatrix}$$

$$L_{3529} = \begin{bmatrix} 1,0,0,12\\0,1,0,14\\0,0,1,15 \end{bmatrix}$$

$$L_{3530} = \begin{bmatrix} 1,0,12,0\\0,1,0,14\\0,0,1,15 \end{bmatrix}$$

$$L_{3531} = \begin{bmatrix} 1,0,0,12\\0,1,0,15\\0,0,1,0 \end{bmatrix}$$

$$L_{3532} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,1 \ \end{bmatrix} \ 0,0,1,1 \ \end{bmatrix} \ L_{3533} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,3 \ \end{bmatrix} \ L_{3534} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,4 \ \end{bmatrix} \ L_{3536} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,6 \ \end{bmatrix} \ L_{3537} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,6 \ \end{bmatrix} \ L_{3538} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,7 \ \end{bmatrix} \ L_{3539} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix} \ L_{3540} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,9 \ \end{bmatrix} \ L_{3541} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,10 \ \end{bmatrix} \ L_{3542} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,11 \ \end{bmatrix} \ L_{3543} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,12 \ \end{bmatrix} \ L_{3544} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,13 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,12 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{3545} = egin{bmatrix} 1,0,0,15 \$$

$$L_{3546} = \begin{bmatrix} 1,0,0,12\\0,1,0,15\\0,0,1,15 \end{bmatrix} \\ 0,0,1,15 \end{bmatrix}$$

$$L_{3547} = \begin{bmatrix} 1,0,12,0\\0,1,15,0\\0,0,0,1 \end{bmatrix} \\ L_{3548} = \begin{bmatrix} 1,12,0,0\\0,0,0,1\\0,0,0,1 \end{bmatrix} \\ L_{3549} = \begin{bmatrix} 1,0,0,13\\0,1,0,0\\0,0,1,0 \end{bmatrix} \\ L_{3550} = \begin{bmatrix} 1,0,0,13\\0,1,0,0\\0,0,1,1 \end{bmatrix} \\ L_{3551} = \begin{bmatrix} 1,0,0,13\\0,1,0,0\\0,0,1,2 \end{bmatrix} \\ 1,0,0,13\\0,1,0,0\\0,0,1,3 \end{bmatrix} \\ L_{3552} = \begin{bmatrix} 1,0,0,13\\0,1,0,0\\0,0,1,3 \end{bmatrix} \\ L_{3554} = \begin{bmatrix} 1,0,0,13\\0,1,0,0\\0,0,1,5 \end{bmatrix} \\ 1,0,0,13\\0,1,0,0\\0,0,1,5 \end{bmatrix} \\ L_{3556} = \begin{bmatrix} 1,0,0,13\\0,1,0,0\\0,0,1,6 \end{bmatrix} \\ 1,0,0,13\\0,1,0,0\\0,0,1,7 \end{bmatrix} \\ L_{3557} = \begin{bmatrix} 1,0,0,13\\0,1,0,0\\0,0,1,7 \end{bmatrix} \\ 1,0,0,13\\0,1,0,0\\0,0,1,9 \end{bmatrix} \\ L_{3559} = \begin{bmatrix} 1,0,0,13\\0,1,0,0\\0,0,1,9 \end{bmatrix} \\ 1,0,0,13\\0,1,0,0\\0,0,1,9 \end{bmatrix}$$

$$L_{3560} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,0\\ 0,0,1,11 \end{bmatrix}$$

$$L_{3561} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,0\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3562} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,0\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3563} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,0\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3564} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,0\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3565} = \begin{bmatrix} 1,0,13,0\\ 0,1,0,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{3566} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{3567} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,1\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3569} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,1\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3570} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,1\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3571} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,1\\ 0,0,1,4 \end{bmatrix}$$

$$L_{3572} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,1\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3573} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,1\\ 0,0,1,6 \end{bmatrix}$$

$$L_{3573} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,1\\ 0,0,1,6 \end{bmatrix}$$

$$L_{3573} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,1\\ 0,0,1,6 \end{bmatrix}$$

$$L_{3574} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,1\\ 0,0,1,8 \end{bmatrix}$$

$$L_{3575} = \begin{bmatrix} 1,0,0,13\\ 1,0,0,13\\ 0,1,0,1\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3576} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,1\\ 0,0,1,10 \end{bmatrix}$$

$$L_{3577} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,1\\ 0,0,1,11 \end{bmatrix}$$

$$L_{3578} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,1\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3580} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,1\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3581} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,1\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3582} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,1\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3583} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,1\\ 0,0,0,1,15 \end{bmatrix}$$

$$L_{3584} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,2\\ 0,0,1,1 \end{bmatrix}$$

$$L_{3585} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,2\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3586} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,2\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3587} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,2\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3587} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,2\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3587} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,2\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3588} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,2\\ 0,0,1,5 \end{bmatrix} \\ L_{3589} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,2\\ 0,0,1,6 \end{bmatrix} \\ L_{3590} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,2\\ 0,0,1,7 \end{bmatrix} \\ L_{3591} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,2\\ 0,0,1,8 \end{bmatrix} \\ L_{3592} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,2\\ 0,0,1,9 \end{bmatrix} \\ L_{3593} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,2\\ 0,0,1,10 \end{bmatrix} \\ L_{3594} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,2\\ 0,0,1,11 \end{bmatrix} \\ L_{3595} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,2\\ 0,0,1,12 \end{bmatrix} \\ L_{3596} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,2\\ 0,0,1,13 \end{bmatrix} \\ L_{3597} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,2\\ 0,0,1,13 \end{bmatrix} \\ L_{3598} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,2\\ 0,0,1,15 \end{bmatrix} \\ L_{3599} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,2\\ 0,0,1,15 \end{bmatrix} \\ L_{3600} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,2\\ 0,0,0,1 \end{bmatrix} \\ L_{3601} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,3\\ 0,0,1,0 \end{bmatrix} \\ L_{3601} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,3\\ 0,0,1,1 \end{bmatrix} \\ L_{3601} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,3\\ 0,1,0,3 \end{bmatrix} \\ L_{3601} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,3\\ 0,1,0,3 \end{bmatrix} \\ L_{3601} = \begin{bmatrix}$$

$$L_{3602} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,3\\ 0,0,1,2 \end{bmatrix} \\ L_{3603} = \begin{bmatrix} 1,0,0,13\\ 1,0,0,13\\ 0,1,0,3\\ 0,0,1,3 \end{bmatrix} \\ L_{3604} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,3\\ 0,0,1,4 \end{bmatrix} \\ L_{3605} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,3\\ 0,0,1,5 \end{bmatrix} \\ L_{3606} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,3\\ 0,0,1,6 \end{bmatrix} \\ L_{3607} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,3\\ 0,0,1,7 \end{bmatrix} \\ L_{3608} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,3\\ 0,0,1,7 \end{bmatrix} \\ L_{3609} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,3\\ 0,0,1,9 \end{bmatrix} \\ L_{3610} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,3\\ 0,0,1,10 \end{bmatrix} \\ L_{3611} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,3\\ 0,0,1,11 \end{bmatrix} \\ L_{3612} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,3\\ 0,0,1,12 \end{bmatrix} \\ L_{3613} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,3\\ 0,0,1,14 \end{bmatrix} \\ L_{3614} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,3\\ 0,0,1,14 \end{bmatrix} \\ L_{3615} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,3\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3616} = \begin{bmatrix} 1,0,13,0\\0,1,3,0\\0,0,0,1 \end{bmatrix} \\ 0,0,0,13 \\ 0,1,0,4\\0,0,1,0 \end{bmatrix} \\ L_{3618} = \begin{bmatrix} 1,0,0,13\\0,1,0,4\\0,0,1,1 \end{bmatrix} \\ L_{3619} = \begin{bmatrix} 1,0,0,13\\0,1,0,4\\0,0,1,2 \end{bmatrix} \\ L_{3620} = \begin{bmatrix} 1,0,0,13\\0,1,0,4\\0,0,1,3 \end{bmatrix} \\ 0,1,0,4\\0,0,1,4 \end{bmatrix} \\ L_{3622} = \begin{bmatrix} 1,0,0,13\\0,1,0,4\\0,0,1,4 \end{bmatrix} \\ L_{3623} = \begin{bmatrix} 1,0,0,13\\0,1,0,4\\0,0,1,5 \end{bmatrix} \\ 1,0,0,13\\0,1,0,4\\0,0,1,6 \end{bmatrix} \\ L_{3624} = \begin{bmatrix} 1,0,0,13\\0,1,0,4\\0,0,1,6 \end{bmatrix} \\ 1,0,0,13\\0,1,0,4\\0,0,1,7 \end{bmatrix} \\ L_{3625} = \begin{bmatrix} 1,0,0,13\\0,1,0,4\\0,0,1,7 \end{bmatrix} \\ 1,0,0,13\\0,1,0,4\\0,0,1,9 \end{bmatrix} \\ L_{3626} = \begin{bmatrix} 1,0,0,13\\0,1,0,4\\0,0,1,9 \end{bmatrix} \\ 1,0,0,13\\0,1,0,4\\0,0,1,10 \end{bmatrix} \\ L_{3629} = \begin{bmatrix} 1,0,0,13\\0,1,0,4\\0,0,1,11 \end{bmatrix} \\ 1,0,0,13\\0,1,0,4\\0,0,1,12 \end{bmatrix}$$

$$L_{3630} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,4\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3631} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,4\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3632} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,4\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3633} = \begin{bmatrix} 1,0,13,0\\ 0,1,4,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{3634} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,5\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3635} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,5\\ 0,0,1,1 \end{bmatrix}$$

$$L_{3636} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,5\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3637} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,5\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3638} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,5\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3639} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,5\\ 0,0,1,4 \end{bmatrix}$$

$$L_{3640} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,5\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3641} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,5\\ 0,0,1,6 \end{bmatrix}$$

$$L_{3642} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,5\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3643} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,5\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3643} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,5\\ 0,0,1,8 \end{bmatrix}$$

$$L_{3643} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,5\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3644} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,5\\ 0,0,1,10 \end{bmatrix}$$

$$L_{3645} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,5\\ 0,0,1,11 \end{bmatrix}$$

$$L_{3646} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,5\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3647} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,5\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3648} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,5\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3649} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,5\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3650} = \begin{bmatrix} 1,0,13,0\\ 0,0,13\\ 0,1,0,5\\ 0,0,0,1 \end{bmatrix}$$

$$L_{3651} = \begin{bmatrix} 1,0,13,0\\ 0,0,0,13\\ 0,1,0,6\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3652} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,6\\ 0,0,1,1 \end{bmatrix}$$

$$L_{3653} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,6\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3654} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,6\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3655} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,6\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3656} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,6\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3657} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,6\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3657} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,6\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3658} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,6\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3659} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,6\\ 0,0,1,8 \end{bmatrix}$$

$$L_{3660} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,6\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3661} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,6\\ 0,0,1,10 \end{bmatrix}$$

$$L_{3662} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,6\\ 0,0,1,10 \end{bmatrix}$$

$$L_{3663} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,6\\ 0,0,1,11 \end{bmatrix}$$

$$L_{3664} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,6\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3665} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,6\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3666} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,6\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3667} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,6\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3668} = \begin{bmatrix} 1,0,13,0\\ 0,0,0,1\\ 0,0,1,0,7\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3669} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,7\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3670} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,7\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3671} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,7\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3671} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,7\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3672} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,4 \ 1,0,0,13 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{3674} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,7 \ \end{bmatrix} \ L_{3675} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,8 \ \end{bmatrix} \ L_{3676} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{3678} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,10 \ \end{bmatrix} \ L_{3689} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{3681} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{3682} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,13 \ \end{bmatrix} \ L_{3683} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,14 \ \end{bmatrix} \ L_{3684} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,15 \ \end{bmatrix} \ L_{3684} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,15 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,15 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,15 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{3685} = egin{bmatrix} 1,0,0,13 \ 0,1,0,7 \ 0,0,1$$

$$L_{3686} = \begin{bmatrix} 1,0,0,13\\0,1,0,8\\0,0,1,1 \end{bmatrix} \\ 0,1,0,8\\0,0,1,2 \end{bmatrix}$$

$$L_{3688} = \begin{bmatrix} 1,0,0,13\\0,1,0,8\\0,0,1,3 \end{bmatrix} \\ 0,1,0,8\\0,0,1,3 \end{bmatrix}$$

$$L_{3689} = \begin{bmatrix} 1,0,0,13\\0,1,0,8\\0,0,1,4 \end{bmatrix} \\ 1,0,0,13\\0,1,0,8\\0,0,1,5 \end{bmatrix}$$

$$L_{3690} = \begin{bmatrix} 1,0,0,13\\0,1,0,8\\0,0,1,6 \end{bmatrix}$$

$$L_{3691} = \begin{bmatrix} 1,0,0,13\\0,1,0,8\\0,0,1,6 \end{bmatrix}$$

$$L_{3692} = \begin{bmatrix} 1,0,0,13\\0,1,0,8\\0,0,1,7 \end{bmatrix}$$

$$L_{3693} = \begin{bmatrix} 1,0,0,13\\0,1,0,8\\0,0,1,9 \end{bmatrix}$$

$$L_{3694} = \begin{bmatrix} 1,0,0,13\\0,1,0,8\\0,0,1,10 \end{bmatrix}$$

$$L_{3695} = \begin{bmatrix} 1,0,0,13\\0,1,0,8\\0,0,1,11 \end{bmatrix}$$

$$L_{3696} = \begin{bmatrix} 1,0,0,13\\0,1,0,8\\0,0,1,11 \end{bmatrix}$$

$$L_{3697} = \begin{bmatrix} 1,0,0,13\\0,1,0,8\\0,0,1,12 \end{bmatrix}$$

$$L_{3698} = \begin{bmatrix} 1,0,0,13\\0,1,0,8\\0,0,1,13 \end{bmatrix}$$

$$0,1,0,8\\0,0,1,13 \end{bmatrix}$$

$$0,1,0,8\\0,0,1,14 \end{bmatrix}$$

$$L_{3699} = \begin{bmatrix} 1,0,0,13\\0,1,0,8\\0,0,1,14 \end{bmatrix}$$

$$L_{3700} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,8\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3701} = \begin{bmatrix} 1,0,13,0\\ 0,1,8,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{3702} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,9\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3703} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,9\\ 0,0,1,1 \end{bmatrix}$$

$$L_{3704} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,9\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3705} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,9\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3706} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,9\\ 0,0,1,4 \end{bmatrix}$$

$$L_{3707} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,9\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3708} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,9\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3709} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,9\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3710} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,9\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3711} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,9\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3712} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,9\\ 0,0,1,0,9 \end{bmatrix}$$

$$0,0,1,0,9\\ 0,0,1,0,9 \end{bmatrix}$$

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$$0,0,1,0,9$$

$$0,0,1,10$$

$$1,0,0,13$$

$$0,1,0,9$$

$$0,0,1,10$$

$$1,0,0,13$$

$$0,1,0,9$$

$$0,0,1,11$$

$$L_{3714} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,9\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3715} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,9\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3716} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,9\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3717} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,9\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3718} = \begin{bmatrix} 1,0,13,0\\ 0,1,9,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{3719} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,10\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3720} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,10\\ 0,0,1,1 \end{bmatrix}$$

$$L_{3721} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,10\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3722} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,10\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3723} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,10\\ 0,0,1,4 \end{bmatrix}$$

$$L_{3724} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,10\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3725} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,10\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3726} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,10\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3727} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,10\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3727} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,10\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3728} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,10\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3729} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,10\\ 0,0,1,10 \end{bmatrix}$$

$$L_{3730} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,10\\ 0,0,1,11 \end{bmatrix}$$

$$L_{3731} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,10\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3732} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,10\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3733} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,10\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3734} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,10\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3735} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,10\\ 0,0,1,1 \end{bmatrix}$$

$$L_{3736} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,11\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3738} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,11\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3739} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,11\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3740} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,11\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3741} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,11\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3741} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,11\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3741} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,11\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3742} = \begin{bmatrix} 1,0,0,13\\0,1,0,11\\0,0,1,6 \end{bmatrix} \\ L_{3743} = \begin{bmatrix} 1,0,0,13\\0,1,0,11\\0,0,1,7 \end{bmatrix} \\ L_{3744} = \begin{bmatrix} 1,0,0,13\\0,1,0,11\\0,0,1,8 \end{bmatrix} \\ L_{3745} = \begin{bmatrix} 1,0,0,13\\0,1,0,11\\0,0,1,9 \end{bmatrix} \\ L_{3746} = \begin{bmatrix} 1,0,0,13\\0,1,0,11\\0,0,1,10 \end{bmatrix} \\ L_{3747} = \begin{bmatrix} 1,0,0,13\\0,1,0,11\\0,0,1,11 \end{bmatrix} \\ L_{3748} = \begin{bmatrix} 1,0,0,13\\0,1,0,11\\0,0,1,12 \end{bmatrix} \\ L_{3749} = \begin{bmatrix} 1,0,0,13\\0,1,0,11\\0,0,1,13 \end{bmatrix} \\ L_{3750} = \begin{bmatrix} 1,0,0,13\\0,1,0,11\\0,0,1,14 \end{bmatrix} \\ L_{3751} = \begin{bmatrix} 1,0,0,13\\0,1,0,11\\0,0,1,15 \end{bmatrix} \\ L_{3752} = \begin{bmatrix} 1,0,0,13\\0,1,0,11\\0,0,1,15 \end{bmatrix} \\ L_{3753} = \begin{bmatrix} 1,0,0,13\\0,1,0,11\\0,0,0,1,1 \end{bmatrix} \\ L_{3754} = \begin{bmatrix} 1,0,0,13\\0,1,0,12\\0,0,1,1 \end{bmatrix} \\ L_{3755} = \begin{bmatrix} 1,0,0,13\\0,1,0,12\\0,0,1,2 \end{bmatrix} \\ L_{3755} = \begin{bmatrix} 1,0,0,13\\0,1,0,12\\0,1,2 \end{bmatrix} \\ L_{3755} = \begin{bmatrix} 1,0,0,13\\0,1,2 \end{bmatrix} \\ L_{3755} = \begin{bmatrix} 1,0,0,13\\0,1,2$$

$$L_{3756} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,12\\ 0,0,1,3 \end{bmatrix} \\ L_{3757} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,12\\ 0,0,1,4 \end{bmatrix} \\ L_{3758} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,12\\ 0,0,1,5 \end{bmatrix} \\ L_{3760} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,12\\ 0,0,1,6 \end{bmatrix} \\ L_{3761} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,12\\ 0,0,1,7 \end{bmatrix} \\ L_{3762} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,12\\ 0,0,1,8 \end{bmatrix} \\ L_{3763} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,12\\ 0,0,1,9 \end{bmatrix} \\ L_{3764} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,12\\ 0,0,1,10 \end{bmatrix} \\ L_{3765} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,12\\ 0,0,1,11 \end{bmatrix} \\ L_{3766} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,12\\ 0,0,1,13 \end{bmatrix} \\ L_{3767} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,12\\ 0,0,1,14 \end{bmatrix} \\ L_{3768} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,12\\ 0,0,1,14 \end{bmatrix} \\ L_{3769} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,12\\ 0,0,1,15 \end{bmatrix} \\ 1,0,0,13\\ 0,1,0,12\\ 0,0,1,15 \end{bmatrix} \\ L_{3769} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,12\\ 0,0,1,15 \end{bmatrix} \\ 1,0,13,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{3770} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,13\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3771} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,13\\ 0,0,1,1 \end{bmatrix}$$

$$L_{3772} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,13\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3773} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,13\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3774} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,13\\ 0,0,1,4 \end{bmatrix}$$

$$L_{3775} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,13\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3776} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,13\\ 0,0,1,6 \end{bmatrix}$$

$$L_{3777} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,13\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3778} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,13\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3780} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,13\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3781} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,13\\ 0,0,1,10 \end{bmatrix}$$

$$L_{3782} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,13\\ 0,0,1,11 \end{bmatrix}$$

$$L_{3783} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,13\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3783} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,13\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3783} = \begin{bmatrix} 1,0,0,13\\ 0,0,1,13 \end{bmatrix}$$

$$0,0,1,13$$

$$L_{3784} = \begin{bmatrix} 1,0,0,13\\0,1,0,13\\0,0,1,14 \end{bmatrix}$$

$$L_{3785} = \begin{bmatrix} 0,1,0,13\\0,0,1,15 \end{bmatrix}$$

$$L_{3786} = \begin{bmatrix} 1,0,13,0\\0,1,13,0\\0,0,0,1 \end{bmatrix}$$

$$L_{3787} = \begin{bmatrix} 1,0,0,13\\0,0,0,13\\0,1,0,14\\0,0,1,0 \end{bmatrix}$$

$$L_{3788} = \begin{bmatrix} 1,0,0,13\\0,1,0,14\\0,0,1,1 \end{bmatrix}$$

$$L_{3789} = \begin{bmatrix} 1,0,0,13\\0,1,0,14\\0,0,1,2 \end{bmatrix}$$

$$L_{3790} = \begin{bmatrix} 1,0,0,13\\0,1,0,14\\0,0,1,3 \end{bmatrix}$$

$$L_{3791} = \begin{bmatrix} 1,0,0,13\\0,1,0,14\\0,0,1,3 \end{bmatrix}$$

$$L_{3792} = \begin{bmatrix} 1,0,0,13\\0,1,0,14\\0,0,1,5 \end{bmatrix}$$

$$L_{3793} = \begin{bmatrix} 1,0,0,13\\0,1,0,14\\0,0,1,5 \end{bmatrix}$$

$$L_{3793} = \begin{bmatrix} 1,0,0,13\\0,1,0,14\\0,0,1,7 \end{bmatrix}$$

$$L_{3794} = \begin{bmatrix} 1,0,0,13\\0,1,0,14\\0,0,1,7 \end{bmatrix}$$

$$L_{3795} = \begin{bmatrix} 1,0,0,13\\0,1,0,14\\0,0,1,7 \end{bmatrix}$$

$$L_{3796} = \begin{bmatrix} 1,0,0,13\\0,1,0,14\\0,0,1,9 \end{bmatrix}$$

$$L_{3797} = \begin{bmatrix} 1,0,0,13\\0,1,0,14\\0,0,1,9 \end{bmatrix}$$

$$L_{3797} = \begin{bmatrix} 1,0,0,13\\0,1,0,14\\0,0,1,9 \end{bmatrix}$$

$$L_{3798} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,14\\ 0,0,1,11 \end{bmatrix}$$

$$L_{3799} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,14\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3800} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,14\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3801} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,14\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3802} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,14\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3803} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,14\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3804} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,15\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3805} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,15\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3806} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,15\\ 0,0,1,1 \end{bmatrix}$$

$$L_{3808} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,15\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3809} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,15\\ 0,0,1,4 \end{bmatrix}$$

$$L_{3810} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,15\\ 0,0,1,5 \end{bmatrix}$$

$$0,0,1,6$$

$$1,0,0,13\\ 0,1,0,15\\ 0,0,1,6 \end{bmatrix}$$

$$L_{3811} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,15\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3812} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,15\\ 0,0,1,8 \end{bmatrix}$$

$$L_{3813} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,15\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3814} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,15\\ 0,0,1,10 \end{bmatrix}$$

$$L_{3815} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,15\\ 0,0,1,11 \end{bmatrix}$$

$$L_{3816} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,15\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3817} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,15\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3818} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,15\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3819} = \begin{bmatrix} 1,0,0,13\\ 0,1,0,15\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3820} = \begin{bmatrix} 1,0,13,0\\ 0,1,0,15\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3821} = \begin{bmatrix} 1,0,13,0\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3822} = \begin{bmatrix} 1,0,13,0\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3823} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,0\\ 0,0,1,1 \end{bmatrix}$$

$$L_{3824} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,0\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3825} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,0\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3826} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,1,4 \ 1,0,0,14 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{3828} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,1,7 \ \end{bmatrix} \ L_{3830} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,1,8 \ \end{bmatrix} \ L_{3831} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,1,9 \ \end{bmatrix} \ L_{3832} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,1,10 \ \end{bmatrix} \ L_{3833} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,1,11 \ \end{bmatrix} \ L_{3834} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{3835} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,1,13 \ \end{bmatrix} \ L_{3836} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,1,14 \ \end{bmatrix} \ L_{3837} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,1,15 \ \end{bmatrix} \ L_{3838} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,1,15 \ \end{bmatrix} \ L_{3838} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,1,15 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,14 \ 0,1,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,0,1 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839} = egin{bmatrix} 1,0,0,0,1 \ 0,0,0,1 \ \end{bmatrix} \ L_{3839}$$

$$L_{3840} = \begin{bmatrix} 1,0,0,14\\0,1,0,1\\0,0,1,1 \end{bmatrix} \\ 0,0,1,1 \end{bmatrix}$$

$$L_{3841} = \begin{bmatrix} 1,0,0,14\\0,1,0,1\\0,0,1,2 \end{bmatrix} \\ L_{3842} = \begin{bmatrix} 1,0,0,14\\0,1,0,1\\0,0,1,3 \end{bmatrix} \\ L_{3843} = \begin{bmatrix} 1,0,0,14\\0,1,0,1\\0,0,1,4 \end{bmatrix} \\ L_{3844} = \begin{bmatrix} 1,0,0,14\\0,1,0,1\\0,0,1,5 \end{bmatrix} \\ L_{3845} = \begin{bmatrix} 1,0,0,14\\0,1,0,1\\0,0,1,6 \end{bmatrix} \\ L_{3846} = \begin{bmatrix} 1,0,0,14\\0,1,0,1\\0,0,1,7 \end{bmatrix} \\ L_{3848} = \begin{bmatrix} 1,0,0,14\\0,1,0,1\\0,0,1,7 \end{bmatrix} \\ L_{3849} = \begin{bmatrix} 1,0,0,14\\0,1,0,1\\0,0,1,9 \end{bmatrix} \\ L_{3850} = \begin{bmatrix} 1,0,0,14\\0,1,0,1\\0,0,1,10 \end{bmatrix} \\ L_{3850} = \begin{bmatrix} 1,0,0,14\\0,1,0,1\\0,0,1,11 \end{bmatrix} \\ L_{3851} = \begin{bmatrix} 1,0,0,14\\0,1,0,1\\0,0,1,12 \end{bmatrix} \\ L_{3852} = \begin{bmatrix} 1,0,0,14\\0,1,0,1\\0,0,1,13 \end{bmatrix} \\ L_{3853} = \begin{bmatrix} 1,0,0,14\\0,1,0,1\\0,0,1,14 \end{bmatrix} \\ L_{3853} = \begin{bmatrix} 1,0,0,14\\0,1,0,1\\0,0,1,14 \end{bmatrix}$$

$$L_{3854} = egin{bmatrix} 1,0,0,14 \ 0,1,0,1 \ 0,0,1,15 \ \end{bmatrix} \ L_{3855} = egin{bmatrix} 1,0,14,0 \ 0,1,1,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{3856} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,2 \ \end{bmatrix} \ L_{3858} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,3 \ \end{bmatrix} \ L_{3860} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,3 \ \end{bmatrix} \ L_{3861} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{3862} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,5 \ \end{bmatrix} \ L_{3863} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,6 \ \end{bmatrix} \ L_{3864} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,9 \ \end{bmatrix} \ L_{3865} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,9 \ \end{bmatrix} \ L_{3866} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,9 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,10 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,10 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,10 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,10 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,10 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,10 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,10 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,11 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,11 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,11 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,11 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,11 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,11 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,11 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,11 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,11 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,11 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,11 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,11 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,11 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,11 \ \end{bmatrix} \ L_{3867} = egin{bmatrix} 1,0,0,14 \ 0,1,0,2 \ 0,0,1,11 \ \end{bmatrix} \ L_{3867}$$

$$L_{3868} = \begin{bmatrix} 1,0,0,14\\0,1,0,2\\0,0,1,12 \end{bmatrix} \\ L_{3869} = \begin{bmatrix} 1,0,0,14\\0,1,0,2\\0,0,1,13 \end{bmatrix} \\ L_{3870} = \begin{bmatrix} 1,0,0,14\\0,1,0,2\\0,0,1,14 \end{bmatrix} \\ L_{3871} = \begin{bmatrix} 1,0,0,14\\0,1,0,2\\0,0,1,15 \end{bmatrix} \\ L_{3872} = \begin{bmatrix} 1,0,0,14\\0,1,0,2\\0,0,0,1 \end{bmatrix} \\ L_{3873} = \begin{bmatrix} 1,0,0,14\\0,1,0,3\\0,0,1,0 \end{bmatrix} \\ L_{3874} = \begin{bmatrix} 1,0,0,14\\0,1,0,3\\0,0,1,1 \end{bmatrix} \\ L_{3875} = \begin{bmatrix} 1,0,0,14\\0,1,0,3\\0,0,1,2 \end{bmatrix} \\ L_{3876} = \begin{bmatrix} 1,0,0,14\\0,1,0,3\\0,0,1,2 \end{bmatrix} \\ L_{3878} = \begin{bmatrix} 1,0,0,14\\0,1,0,3\\0,0,1,3 \end{bmatrix} \\ L_{3878} = \begin{bmatrix} 1,0,0,14\\0,1,0,3\\0,0,1,5 \end{bmatrix} \\ L_{3889} = \begin{bmatrix} 1,0,0,14\\0,1,0,3\\0,0,1,6 \end{bmatrix} \\ L_{3880} = \begin{bmatrix} 1,0,0,14\\0,1,0,3\\0,0,1,7 \end{bmatrix} \\ L_{3881} = \begin{bmatrix} 1,0,0,14\\0,1,0,3\\0,0,1,8 \end{bmatrix}$$

$$L_{3882} = \begin{bmatrix} 1,0,0,14\\0,1,0,3\\0,0,1,9 \end{bmatrix} \\ L_{3883} = \begin{bmatrix} 1,0,0,14\\0,1,0,3\\0,0,1,10 \end{bmatrix} \\ L_{3884} = \begin{bmatrix} 1,0,0,14\\0,1,0,3\\0,0,1,11 \end{bmatrix} \\ L_{3885} = \begin{bmatrix} 1,0,0,14\\0,1,0,3\\0,0,1,12 \end{bmatrix} \\ L_{3886} = \begin{bmatrix} 1,0,0,14\\0,1,0,3\\0,0,1,13 \end{bmatrix} \\ L_{3888} = \begin{bmatrix} 1,0,0,14\\0,1,0,3\\0,0,1,14 \end{bmatrix} \\ L_{3889} = \begin{bmatrix} 1,0,0,14\\0,1,0,3\\0,0,1,15 \end{bmatrix} \\ L_{3899} = \begin{bmatrix} 1,0,0,14\\0,1,0,3\\0,0,1,15 \end{bmatrix} \\ L_{3899} = \begin{bmatrix} 1,0,0,14\\0,1,0,4\\0,0,1,0 \end{bmatrix} \\ L_{3899} = \begin{bmatrix} 1,0,0,14\\0,1,0,4\\0,0,1,2 \end{bmatrix} \\ L_{3893} = \begin{bmatrix} 1,0,0,14\\0,1,0,4\\0,0,1,3 \end{bmatrix} \\ L_{3894} = \begin{bmatrix} 1,0,0,14\\0,1,0,4\\0,0,1,3 \end{bmatrix} \\ L_{3895} = \begin{bmatrix} 1,0,0,14\\0,1,0,4\\0,0,1,4 \end{bmatrix} \\ L_{3895} = \begin{bmatrix} 1,0,0,14\\0,1,0,4\\0,0,1,4 \end{bmatrix} \\ L_{3895} = \begin{bmatrix} 1,0,0,14\\0,1,0,4\\0,0,1,5 \end{bmatrix}$$

$$L_{3896} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,4\\ 0,0,1,6 \end{bmatrix}$$

$$L_{3897} = \begin{bmatrix} 1,0,0,14\\ 0,0,1,4\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3898} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,4\\ 0,0,1,8 \end{bmatrix}$$

$$L_{3899} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,4\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3900} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,4\\ 0,0,1,10 \end{bmatrix}$$

$$L_{3901} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,4\\ 0,0,1,11 \end{bmatrix}$$

$$L_{3902} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,4\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3903} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,4\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3904} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,4\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3905} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,4\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3906} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,4\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3907} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,4\\ 0,0,0,1,1 \end{bmatrix}$$

$$L_{3908} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,5\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3909} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,5\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3909} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,5\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3910} = egin{bmatrix} 1,0,0,14 \ 0,1,0,5 \ 0,0,1,3 \ 1,0,0,14 \ 0,1,0,5 \ 0,0,1,4 \ \end{bmatrix}$$
 $L_{3911} = egin{bmatrix} 1,0,0,14 \ 0,1,0,5 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{3912} = egin{bmatrix} 1,0,0,14 \ 0,1,0,5 \ 0,0,1,6 \ \end{bmatrix}$
 $L_{3913} = egin{bmatrix} 1,0,0,14 \ 0,1,0,5 \ 0,0,1,7 \ \end{bmatrix}$
 $L_{3914} = egin{bmatrix} 1,0,0,14 \ 0,1,0,5 \ 0,0,1,8 \ \end{bmatrix}$
 $L_{3915} = egin{bmatrix} 1,0,0,14 \ 0,1,0,5 \ 0,0,1,9 \ \end{bmatrix}$
 $L_{3916} = egin{bmatrix} 1,0,0,14 \ 0,1,0,5 \ 0,0,1,10 \ \end{bmatrix}$
 $L_{3919} = egin{bmatrix} 1,0,0,14 \ 0,1,0,5 \ 0,0,1,12 \ \end{bmatrix}$
 $L_{3920} = egin{bmatrix} 1,0,0,14 \ 0,1,0,5 \ 0,0,1,13 \ \end{bmatrix}$
 $L_{3922} = egin{bmatrix} 1,0,0,14 \ 0,1,0,5 \ 0,0,1,15 \ \end{bmatrix}$
 $L_{3923} = egin{bmatrix} 1,0,0,14 \ 0,1,0,5 \ 0,0,1,15 \ \end{bmatrix}$
 $L_{3923} = egin{bmatrix} 1,0,0,14 \ 0,1,0,5 \ 0,0,1,15 \ \end{bmatrix}$
 $L_{3923} = egin{bmatrix} 1,0,14,0 \ 0,1,5,0 \ 0,0,0,1 \ \end{bmatrix}$

$$L_{3924} = egin{bmatrix} 1,0,0,14 \ 0,1,0,6 \ 0,0,1,0 \end{bmatrix} \ 1,0,0,14 \ 0,1,0,6 \ 0,0,1,1 \end{bmatrix} \ L_{3926} = egin{bmatrix} 1,0,0,14 \ 0,1,0,6 \ 0,0,1,3 \end{bmatrix} \ L_{3927} = egin{bmatrix} 1,0,0,14 \ 0,1,0,6 \ 0,0,1,4 \end{bmatrix} \ L_{3929} = egin{bmatrix} 1,0,0,14 \ 0,1,0,6 \ 0,0,1,5 \end{bmatrix} \ L_{3930} = egin{bmatrix} 1,0,0,14 \ 0,1,0,6 \ 0,0,1,6 \end{bmatrix} \ 1,0,0,14 \ 0,1,0,6 \ 0,0,1,7 \end{bmatrix} \ L_{3932} = egin{bmatrix} 1,0,0,14 \ 0,1,0,6 \ 0,0,1,7 \end{bmatrix} \ 1,0,0,14 \ 0,1,0,6 \ 0,0,1,9 \end{bmatrix} \ L_{3934} = egin{bmatrix} 1,0,0,14 \ 0,1,0,6 \ 0,0,1,10 \end{bmatrix} \ 1,0,0,14 \ 0,1,0,6 \ 0,0,1,10 \end{bmatrix} \ L_{3935} = egin{bmatrix} 1,0,0,14 \ 0,1,0,6 \ 0,0,1,10 \end{bmatrix} \ 1,0,0,14 \ 0,1,0,6 \ 0,0,1,12 \end{bmatrix} \ 1,0,0,14 \ 0,1,0,6 \ 0,0,1,13 \end{bmatrix}$$

$$L_{3938} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,6\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3939} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,6\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3940} = \begin{bmatrix} 1,0,14,0\\ 0,1,6,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{3941} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,7\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3942} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,7\\ 0,0,1,1 \end{bmatrix}$$

$$L_{3943} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,7\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3944} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,7\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3945} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,7\\ 0,0,1,4 \end{bmatrix}$$

$$L_{3946} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,7\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3948} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,7\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3949} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,7\\ 0,0,1,7 \end{bmatrix}$$

$$L_{3949} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,7\\ 0,0,1,8 \end{bmatrix}$$

$$L_{3950} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,7\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3951} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,7\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3951} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,7\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3952} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,7\\ 0,0,1,11 \end{bmatrix}$$

$$L_{3953} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,7\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3954} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,7\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3955} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,7\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3956} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,7\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3957} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,7\\ 0,0,0,1 \end{bmatrix}$$

$$L_{3958} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,8\\ 0,0,1,0 \end{bmatrix}$$

$$L_{3969} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,8\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3961} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,8\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3962} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,8\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3963} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,8\\ 0,0,1,4 \end{bmatrix}$$

$$L_{3964} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,8\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3965} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,8\\ 0,0,1,5 \end{bmatrix}$$

$$L_{10},0,14$$

$$0,1,0,8\\ 0,0,1,5 \end{bmatrix}$$

$$L_{3966} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,8\\ 0,0,1,8 \end{bmatrix}$$

$$L_{3967} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,8\\ 0,0,1,9 \end{bmatrix}$$

$$L_{3968} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,8\\ 0,0,1,10 \end{bmatrix}$$

$$L_{3969} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,8\\ 0,0,1,11 \end{bmatrix}$$

$$L_{3970} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,8\\ 0,0,1,12 \end{bmatrix}$$

$$L_{3971} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,8\\ 0,0,1,13 \end{bmatrix}$$

$$L_{3972} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,8\\ 0,0,1,14 \end{bmatrix}$$

$$L_{3973} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,8\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3974} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,8\\ 0,0,1,15 \end{bmatrix}$$

$$L_{3975} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,9\\ 0,0,0,1 \end{bmatrix}$$

$$L_{3976} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,9\\ 0,0,1,1 \end{bmatrix}$$

$$L_{3977} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,9\\ 0,0,1,2 \end{bmatrix}$$

$$L_{3978} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,9\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3979} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,9\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3979} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,9\\ 0,0,1,3 \end{bmatrix}$$

$$L_{3980} = egin{bmatrix} 1,0,0,14 \ 0,1,0,9 \ 0,0,1,5 \ \end{bmatrix} \ L_{3981} = egin{bmatrix} 1,0,0,14 \ 0,1,0,9 \ 0,0,1,7 \ \end{bmatrix} \ L_{3982} = egin{bmatrix} 1,0,0,14 \ 0,1,0,9 \ 0,0,1,8 \ \end{bmatrix} \ L_{3983} = egin{bmatrix} 1,0,0,14 \ 0,1,0,9 \ 0,0,1,10 \ \end{bmatrix} \ L_{3985} = egin{bmatrix} 1,0,0,14 \ 0,1,0,9 \ 0,0,1,10 \ \end{bmatrix} \ L_{3986} = egin{bmatrix} 1,0,0,14 \ 0,1,0,9 \ 0,0,1,12 \ \end{bmatrix} \ L_{3988} = egin{bmatrix} 1,0,0,14 \ 0,1,0,9 \ 0,0,1,13 \ \end{bmatrix} \ L_{3989} = egin{bmatrix} 1,0,0,14 \ 0,1,0,9 \ 0,0,1,13 \ \end{bmatrix} \ L_{3990} = egin{bmatrix} 1,0,0,14 \ 0,1,0,9 \ 0,0,1,15 \ \end{bmatrix} \ L_{3991} = egin{bmatrix} 1,0,0,14 \ 0,1,0,9 \ 0,0,0,1 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,9 \ 0,0,0,1,0 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,0 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,0 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,0 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,0 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,1 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,1 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,1 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,1 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,1 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,1 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,1 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,1 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,1 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,1 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,1 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,1 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,1 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,1 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,1 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,1 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,1 \ \end{bmatrix} \ L_{3993} = egin{bmatrix} 1,0,0,14 \ 0,1,0,10 \ 0,0,1,1 \ \end{bmatrix} \ L$$

$$L_{3994} = \begin{bmatrix} 1,0,0,14\\0,1,0,10\\0,0,1,2 \end{bmatrix}$$

$$L_{3995} = \begin{bmatrix} 1,0,0,14\\0,1,0,10\\0,0,1,3 \end{bmatrix}$$

$$L_{3996} = \begin{bmatrix} 1,0,0,14\\0,1,0,10\\0,0,1,4 \end{bmatrix}$$

$$L_{3997} = \begin{bmatrix} 1,0,0,14\\0,1,0,10\\0,0,1,5 \end{bmatrix}$$

$$L_{3998} = \begin{bmatrix} 1,0,0,14\\0,1,0,10\\0,0,1,6 \end{bmatrix}$$

$$L_{3999} = \begin{bmatrix} 1,0,0,14\\0,1,0,10\\0,0,1,6 \end{bmatrix}$$

$$L_{3999} = \begin{bmatrix} 1,0,0,14\\0,1,0,10\\0,0,1,7 \end{bmatrix}$$

$$L_{4000} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,10\\ 0,0,1,8 \end{bmatrix}$$

$$L_{4001} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,10\\ 0,0,1,9 \end{bmatrix}$$

$$L_{4002} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,10\\ 0,0,1,10 \end{bmatrix}$$

$$L_{4003} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,10\\ 0,0,1,11 \end{bmatrix}$$

$$L_{4004} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,10\\ 0,0,1,12 \end{bmatrix}$$

$$L_{4005} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,10\\ 0,0,1,13 \end{bmatrix}$$

$$L_{4006} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,10\\ 0,0,1,14 \end{bmatrix}$$

$$L_{4007} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,10\\ 0,0,1,15 \end{bmatrix}$$

$$L_{4008} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,10\\ 0,0,1,15 \end{bmatrix}$$

$$L_{4010} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,11\\ 0,0,1,0 \end{bmatrix}$$

$$L_{4011} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,11\\ 0,0,1,2 \end{bmatrix}$$

$$L_{4012} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,11\\ 0,0,1,3 \end{bmatrix}$$

$$L_{4013} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,11\\ 0,0,1,4 \end{bmatrix}$$

$$L_{4014} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,11\\ 0,0,1,2 \end{bmatrix}$$

$$L_{4015} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,11\\ 0,0,1,2 \end{bmatrix}$$

$$L_{4016} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,11\\ 0,0,1,2 \end{bmatrix}$$

$$L_{4017} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,11\\ 0,0,1,3 \end{bmatrix}$$

$$L_{4018} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,11\\ 0,0,1,3 \end{bmatrix}$$

$$L_{4019} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,11\\ 0,0,1,3 \end{bmatrix}$$

$$L_{4019} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,11\\ 0,0,1,3 \end{bmatrix}$$

$$L_{4014} = egin{bmatrix} 1,0,0,14 \ 0,1,0,11 \ 0,0,1,5 \ 1,0,0,14 \ 0,1,0,11 \ 0,0,1,6 \ \end{bmatrix}$$
 $L_{4015} = egin{bmatrix} 1,0,0,14 \ 0,1,0,11 \ 0,0,1,7 \ \end{bmatrix}$
 $L_{4016} = egin{bmatrix} 1,0,0,14 \ 0,1,0,11 \ 0,0,1,8 \ \end{bmatrix}$
 $L_{4017} = egin{bmatrix} 1,0,0,14 \ 0,1,0,11 \ 0,0,1,9 \ \end{bmatrix}$
 $L_{4018} = egin{bmatrix} 1,0,0,14 \ 0,1,0,11 \ 0,0,1,10 \ \end{bmatrix}$
 $L_{4020} = egin{bmatrix} 1,0,0,14 \ 0,1,0,11 \ 0,0,1,12 \ \end{bmatrix}$
 $L_{4021} = egin{bmatrix} 1,0,0,14 \ 0,1,0,11 \ 0,0,1,12 \ \end{bmatrix}$
 $L_{4022} = egin{bmatrix} 1,0,0,14 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix}$
 $L_{4024} = egin{bmatrix} 1,0,0,14 \ 0,1,0,11 \ 0,0,1,15 \ \end{bmatrix}$
 $L_{4024} = egin{bmatrix} 1,0,0,14 \ 0,1,0,11 \ 0,0,1,15 \ \end{bmatrix}$
 $L_{4025} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,0,1,0 \ \end{bmatrix}$
 $L_{4026} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,0 \ \end{bmatrix}$
 $L_{4027} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,0 \ \end{bmatrix}$
 $L_{4027} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,1 \ \end{bmatrix}$

$$L_{4028} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,2 \end{bmatrix} \ L_{4029} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,3 \end{bmatrix} \ L_{4030} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,4 \end{bmatrix} \ L_{4031} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,5 \end{bmatrix} \ L_{4032} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,6 \end{bmatrix} \ L_{4034} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,9 \end{bmatrix} \ L_{4036} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,10 \end{bmatrix} \ L_{4038} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,11 \end{bmatrix} \ L_{4038} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,12 \end{bmatrix} \ 0,0,1,12 \ 0,0,1,13 \end{bmatrix} \ L_{4040} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,13 \end{bmatrix} \ L_{4040} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,13 \end{bmatrix} \ L_{4041} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4041} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4041} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4041} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4041} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4041} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4041} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4041} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4041} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4041} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4041} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4041} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4041} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4041} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4041} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4041} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4041} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4041} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4041} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4040} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4040} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4040} = egin{bmatrix} 1,0,0,14 \ 0,1,0,12 \ 0,0,1,15 \end{bmatrix} \ L_{4040} = e$$

$$L_{4042} = egin{bmatrix} 1,0,14,0\ 0,1,12,0\ 0,0,0,1\ \end{bmatrix} \ L_{4043} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,1\ \end{bmatrix} \ L_{4044} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,2\ \end{bmatrix} \ L_{4045} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,4\ \end{bmatrix} \ L_{4049} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,5\ \end{bmatrix} \ L_{4050} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,7\ \end{bmatrix} \ L_{4051} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,7\ \end{bmatrix} \ L_{4052} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,9\ \end{bmatrix} \ L_{4054} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,10\ \end{bmatrix} \ L_{4054} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,10\ \end{bmatrix} \ L_{4055} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,10\ \end{bmatrix} \ L_{4055} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,10\ \end{bmatrix} \ L_{4051} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,10\ \end{bmatrix} \ L_{4051} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,10\ \end{bmatrix} \ L_{4052} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,10\ \end{bmatrix} \ L_{4053} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,10\ \end{bmatrix} \ L_{4054} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,10\ \end{bmatrix} \ L_{4051} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,12\ \end{bmatrix} \ L_{4052} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,12\ \end{bmatrix} \ L_{4053} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,12\ \end{bmatrix} \ L_{4053} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,12\ \end{bmatrix} \ L_{4054} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,12\ \end{bmatrix} \ L_{4051} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,12\ \end{bmatrix} \ L_{4052} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,12\ \end{bmatrix} \ L_{4053} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,12\ \end{bmatrix} \ L_{4054} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,12\ \end{bmatrix} \ L_{4054} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,12\ \end{bmatrix} \ L_{4052} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,12\ \end{bmatrix} \ L_{4053} = egin{bmatrix} 1,0,0,14\ 0,1,0,13\ 0,0,1,12\ \end{bmatrix} \ L_{4054} =$$

$$L_{4056} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,13\\ 0,0,1,13 \end{bmatrix}$$

$$L_{4057} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,13\\ 0,0,1,14 \end{bmatrix}$$

$$L_{4058} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,13\\ 0,0,1,15 \end{bmatrix}$$

$$L_{4059} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,14\\ 0,0,0,1,0 \end{bmatrix}$$

$$L_{4060} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,14\\ 0,0,1,0 \end{bmatrix}$$

$$L_{4061} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,14\\ 0,0,1,1 \end{bmatrix}$$

$$L_{4062} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,14\\ 0,0,1,2 \end{bmatrix}$$

$$L_{4063} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,14\\ 0,0,1,3 \end{bmatrix}$$

$$L_{4064} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,14\\ 0,0,1,4 \end{bmatrix}$$

$$L_{4065} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,14\\ 0,0,1,5 \end{bmatrix}$$

$$L_{4066} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,14\\ 0,0,1,6 \end{bmatrix}$$

$$L_{4068} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,14\\ 0,0,1,7 \end{bmatrix}$$

$$L_{4068} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,14\\ 0,0,1,7 \end{bmatrix}$$

$$L_{4069} = \begin{bmatrix} 1,0,0,14\\ 0,1,0,14\\ 0,0,1,9 \end{bmatrix}$$

$$L_{4070} = \begin{bmatrix} 1,0,0,14\\0,1,0,14\\0,0,1,10 \end{bmatrix}$$

$$L_{4071} = \begin{bmatrix} 1,0,0,14\\0,1,0,14\\0,0,1,11 \end{bmatrix}$$

$$L_{4072} = \begin{bmatrix} 1,0,0,14\\0,1,0,14\\0,0,1,12 \end{bmatrix}$$

$$L_{4073} = \begin{bmatrix} 1,0,0,14\\0,1,0,14\\0,0,1,13 \end{bmatrix}$$

$$L_{4074} = \begin{bmatrix} 1,0,0,14\\0,1,0,14\\0,0,1,13 \end{bmatrix}$$

$$L_{4075} = \begin{bmatrix} 1,0,0,14\\0,1,0,14\\0,0,1,15 \end{bmatrix}$$

$$L_{4076} = \begin{bmatrix} 1,0,0,14\\0,1,0,14\\0,0,1,15 \end{bmatrix}$$

$$L_{4077} = \begin{bmatrix} 1,0,0,14\\0,1,0,15\\0,0,1,0 \end{bmatrix}$$

$$L_{4079} = \begin{bmatrix} 1,0,0,14\\0,1,0,15\\0,0,1,1 \end{bmatrix}$$

$$L_{4080} = \begin{bmatrix} 1,0,0,14\\0,1,0,15\\0,0,1,3 \end{bmatrix}$$

$$L_{4081} = \begin{bmatrix} 1,0,0,14\\0,1,0,15\\0,0,1,3 \end{bmatrix}$$

$$L_{4082} = \begin{bmatrix} 1,0,0,14\\0,1,0,15\\0,0,1,4 \end{bmatrix}$$

$$L_{4083} = \begin{bmatrix} 1,0,0,14\\0,1,0,15\\0,0,1,5 \end{bmatrix}$$

$$1,0,0,14\\0,1,0,15\\0,0,1,5 \end{bmatrix}$$

$$1,0,0,14\\0,1,0,15\\0,0,1,5 \end{bmatrix}$$

$$1,0,0,14\\0,1,0,15\\0,0,1,5 \end{bmatrix}$$

$$1,0,0,14\\0,1,0,15\\0,0,1,5 \end{bmatrix}$$

$$L_{4084} = egin{bmatrix} 1,0,0,14 \ 0,1,0,15 \ 0,0,1,7 \ 1,0,0,14 \ 0,1,0,15 \ 0,0,1,8 \ \end{bmatrix}$$
 $L_{4085} = egin{bmatrix} 1,0,0,14 \ 0,1,0,15 \ 0,0,1,9 \ \end{bmatrix}$
 $L_{4087} = egin{bmatrix} 1,0,0,14 \ 0,1,0,15 \ 0,0,1,10 \ \end{bmatrix}$
 $L_{4089} = egin{bmatrix} 1,0,0,14 \ 0,1,0,15 \ 0,0,1,12 \ \end{bmatrix}$
 $L_{4090} = egin{bmatrix} 1,0,0,14 \ 0,1,0,15 \ 0,0,1,13 \ \end{bmatrix}$
 $L_{4091} = egin{bmatrix} 1,0,0,14 \ 0,1,0,15 \ 0,0,1,14 \ \end{bmatrix}$
 $L_{4092} = egin{bmatrix} 1,0,0,14 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix}$
 $L_{4093} = egin{bmatrix} 1,0,0,14 \ 0,1,0,15 \ 0,0,1,15 \ \end{bmatrix}$
 $L_{4094} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix}$
 $L_{4095} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix}$
 $L_{4096} = egin{bmatrix} 1,0,0,15 \ 0,1,0,0 \ 0,0,1,2 \ \end{bmatrix}$
 $L_{4097} = egin{bmatrix} 0,1,0,0 \ 0,0,1,2 \ \end{bmatrix}$

$$L_{4098} = egin{bmatrix} 1,0,0,15 \ 0,1,0,0 \ 0,0,1,3 \ \end{bmatrix} \ L_{4099} = egin{bmatrix} 1,0,0,15 \ 0,1,0,0 \ 0,0,1,5 \ \end{bmatrix} \ L_{4100} = egin{bmatrix} 1,0,0,15 \ 0,1,0,0 \ 0,0,1,6 \ \end{bmatrix} \ L_{4101} = egin{bmatrix} 1,0,0,15 \ 0,1,0,0 \ 0,0,1,7 \ \end{bmatrix} \ L_{4102} = egin{bmatrix} 1,0,0,15 \ 0,1,0,0 \ 0,0,1,7 \ \end{bmatrix} \ L_{4103} = egin{bmatrix} 1,0,0,15 \ 0,1,0,0 \ 0,0,1,9 \ \end{bmatrix} \ L_{4104} = egin{bmatrix} 1,0,0,15 \ 0,1,0,0 \ 0,0,1,10 \ \end{bmatrix} \ L_{4105} = egin{bmatrix} 1,0,0,15 \ 0,1,0,0 \ 0,0,1,11 \ \end{bmatrix} \ L_{4107} = egin{bmatrix} 1,0,0,15 \ 0,1,0,0 \ 0,0,1,12 \ \end{bmatrix} \ L_{4109} = egin{bmatrix} 1,0,0,15 \ 0,1,0,0 \ 0,0,1,14 \ \end{bmatrix} \ L_{4110} = egin{bmatrix} 1,0,0,15 \ 0,1,0,0 \ 0,0,1,15 \ \end{bmatrix} \ L_{4111} = egin{bmatrix} 1,0,0,15 \ 0,1,0,0 \ 0,0,1,15 \ \end{bmatrix} \ L_{4111} = egin{bmatrix} 1,0,0,15 \ 0,1,0,0 \ 0,0,1,15 \ \end{bmatrix} \ L_{4111} = egin{bmatrix} 1,0,0,15 \ 0,1,0,0 \ 0,0,0,1,15 \ \end{bmatrix} \ L_{4111} = egin{bmatrix} 1,0,0,5,0 \ 0,0,0,1,15 \ \end{bmatrix} \ L_{4111} = egin{bmatrix} 1,0,0,5,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{4111} = egin{bmatrix} 1,0,0,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{41111} = egin{bmatrix} 1,0,0,0 \ 0,0,0,0 \ \end{bmatrix} \ L_{4111} = egin{bmatr$$

$$L_{4112} = \begin{bmatrix} 1,0,0,15\\0,1,0,1\\0,0,1,0 \end{bmatrix} \\ 0,1,0,1\\0,0,1,1 \end{bmatrix} \\ L_{4113} = \begin{bmatrix} 1,0,0,15\\0,1,0,1\\0,0,1,1 \end{bmatrix} \\ L_{4114} = \begin{bmatrix} 1,0,0,15\\0,1,0,1\\0,0,1,2 \end{bmatrix} \\ 1,0,0,15\\0,1,0,1\\0,0,1,3 \end{bmatrix} \\ L_{4115} = \begin{bmatrix} 1,0,0,15\\0,1,0,1\\0,0,1,3 \end{bmatrix} \\ L_{4116} = \begin{bmatrix} 1,0,0,15\\0,1,0,1\\0,0,1,5 \end{bmatrix} \\ 1,0,0,15\\0,1,0,1\\0,0,1,5 \end{bmatrix} \\ L_{4119} = \begin{bmatrix} 1,0,0,15\\0,1,0,1\\0,0,1,5 \end{bmatrix} \\ 1,0,0,15\\0,1,0,1\\0,0,1,7 \end{bmatrix} \\ L_{4120} = \begin{bmatrix} 1,0,0,15\\0,1,0,1\\0,0,1,7 \end{bmatrix} \\ 1,0,0,15\\0,1,0,1\\0,0,1,10 \end{bmatrix} \\ L_{4122} = \begin{bmatrix} 1,0,0,15\\0,1,0,1\\0,0,1,10 \end{bmatrix} \\ 1,0,0,15\\0,1,0,1\\0,0,1,10 \end{bmatrix} \\ L_{4124} = \begin{bmatrix} 1,0,0,15\\0,1,0,1\\0,0,1,11 \end{bmatrix} \\ 1,0,0,15\\0,1,0,1\\0,0,1,12 \end{bmatrix} \\ 1,0,0,15\\0,1,0,1\\0,0,1,13 \end{bmatrix}$$

$$L_{4126} = \begin{bmatrix} 1,0,0,15\\ 0,1,0,1\\ 0,0,1,14 \end{bmatrix}$$

$$L_{4127} = \begin{bmatrix} 0,1,0,1\\ 0,0,1,15\\ 0,1,0,1\\ 0,0,1,15 \end{bmatrix}$$

$$L_{4128} = \begin{bmatrix} 1,0,05,0\\ 0,1,1,0\\ 0,0,0,1 \end{bmatrix}$$

$$L_{4129} = \begin{bmatrix} 1,0,0,15\\ 0,1,0,2\\ 0,0,1,0 \end{bmatrix}$$

$$L_{4130} = \begin{bmatrix} 1,0,0,15\\ 0,1,0,2\\ 0,0,1,1 \end{bmatrix}$$

$$L_{4131} = \begin{bmatrix} 1,0,0,15\\ 0,1,0,2\\ 0,0,1,2 \end{bmatrix}$$

$$L_{4132} = \begin{bmatrix} 1,0,0,15\\ 0,1,0,2\\ 0,0,1,3 \end{bmatrix}$$

$$L_{4133} = \begin{bmatrix} 1,0,0,15\\ 0,1,0,2\\ 0,0,1,4 \end{bmatrix}$$

$$L_{4134} = \begin{bmatrix} 1,0,0,15\\ 0,1,0,2\\ 0,0,1,5 \end{bmatrix}$$

$$L_{4135} = \begin{bmatrix} 1,0,0,15\\ 0,1,0,2\\ 0,0,1,5 \end{bmatrix}$$

$$L_{4136} = \begin{bmatrix} 1,0,0,15\\ 0,1,0,2\\ 0,0,1,6 \end{bmatrix}$$

$$L_{4137} = \begin{bmatrix} 1,0,0,15\\ 0,1,0,2\\ 0,0,1,8 \end{bmatrix}$$

$$L_{4138} = \begin{bmatrix} 1,0,0,15\\ 0,1,0,2\\ 0,0,1,9 \end{bmatrix}$$

$$L_{4139} = \begin{bmatrix} 1,0,0,15\\ 0,1,0,2\\ 0,0,1,9 \end{bmatrix}$$

$$L_{4139} = \begin{bmatrix} 1,0,0,15\\ 0,1,0,2\\ 0,0,1,9 \end{bmatrix}$$

$$L_{4139} = \begin{bmatrix} 1,0,0,15\\ 0,1,0,2\\ 0,0,1,10 \end{bmatrix}$$

$$L_{4140} = \begin{bmatrix} 1,0,0,15\\0,1,0,2\\0,0,1,11\\1,0,0,15\\0,1,0,2\\0,0,1,12 \end{bmatrix}$$

$$L_{4141} = \begin{bmatrix} 1,0,0,15\\0,1,0,2\\0,0,1,13\\1,0,0,15\\0,1,0,2\\0,0,1,14\\1,0,0,15\\0,1,0,2\\0,0,1,14 \end{bmatrix}$$

$$L_{4144} = \begin{bmatrix} 1,0,0,15\\0,1,0,2\\0,0,1,14\\1,0,0,15\\0,1,0,2\\0,0,0,1\\1\\1,0,0,15\\0,1,0,3\\0,0,1,0 \end{bmatrix}$$

$$L_{4145} = \begin{bmatrix} 1,0,0,15\\0,1,0,3\\0,0,1,0\\1\\1,0,0,15\\0,1,0,3\\0,0,1,1\\1\\1,0,0,15\\0,1,0,3\\0,0,1,2 \end{bmatrix}$$

$$L_{4149} = \begin{bmatrix} 1,0,0,15\\0,1,0,3\\0,0,1,2\\1\\1,0,0,15\\0,1,0,3\\0,0,1,3\\1,0,0,15\\0,1,0,3\\0,0,1,5\\1\\1,0,0,15\\0,1,0,3\\0,0,1,5\\1\\1,0,0,15\\0,1,0,3\\0,0,1,5\\1\\1,0,0,15\\0,1,0,3\\0,0,1,5\\1\\1,0,0,15\\0,1,0,3\\0,0,1,6\\1\end{bmatrix}$$

$$L_{4152} = \begin{bmatrix} 1,0,0,15\\0,1,0,3\\0,0,1,5\\1,0,0,15\\0,1,0,3\\0,0,1,5\\1\\1,0,0,15\\0,1,0,3\\0,0,1,6\\1\\1,0,0,15\\0,1,0,3\\0,0,1,5\\1\\1,0,0,15\\0,1,0,3\\0,0,1,5\\1\\1,0,0,15\\0,1,0,3\\0,0,1,5\\1\\1,0,0,15\\0,1,0,3\\0,0,1,6\\1\\1,0,0,15\\0,1,0,3\\0,0,1,6\\1\\1,0,0,15\\0,1,0,3\\0,0,1,7\\1$$

$$L_{4154} = egin{bmatrix} 1,0,0,15 \ 0,1,0,3 \ 0,0,1,8 \ \end{bmatrix} \ L_{4155} = egin{bmatrix} 1,0,0,15 \ 0,1,0,3 \ 0,0,1,10 \ \end{bmatrix} \ L_{4156} = egin{bmatrix} 1,0,0,15 \ 0,1,0,3 \ 0,0,1,11 \ \end{bmatrix} \ L_{4157} = egin{bmatrix} 1,0,0,15 \ 0,1,0,3 \ 0,0,1,12 \ \end{bmatrix} \ L_{4159} = egin{bmatrix} 1,0,0,15 \ 0,1,0,3 \ 0,0,1,13 \ \end{bmatrix} \ L_{4160} = egin{bmatrix} 1,0,0,15 \ 0,1,0,3 \ 0,0,1,14 \ \end{bmatrix} \ L_{4161} = egin{bmatrix} 1,0,0,15 \ 0,1,0,3 \ 0,0,1,15 \ \end{bmatrix} \ L_{4162} = egin{bmatrix} 1,0,0,15 \ 0,1,0,3 \ 0,0,0,1 \ \end{bmatrix} \ L_{4163} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,2 \ \end{bmatrix} \ L_{4166} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,2 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,3 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,3 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,3 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,3 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,3 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,3 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,4 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,4 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,4 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,4 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,4 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,4 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,4 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,4 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,4 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,4 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,4 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,4 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,4 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,4 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,4 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,4 \ \end{bmatrix} \ L_{4167} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,4 \ \end{bmatrix} \ L_{4167} = egin{bmatrix}$$

$$L_{4168} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,5 \ 1,0,0,15 \ 0,1,0,4 \ 0,0,1,6 \ \end{bmatrix} \ L_{4170} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,7 \ \end{bmatrix} \ L_{4171} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,9 \ \end{bmatrix} \ L_{4172} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,10 \ \end{bmatrix} \ L_{4174} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,11 \ \end{bmatrix} \ L_{4175} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,12 \ \end{bmatrix} \ L_{4176} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,13 \ \end{bmatrix} \ L_{4177} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,13 \ \end{bmatrix} \ L_{4178} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,15 \ \end{bmatrix} \ L_{4179} = egin{bmatrix} 1,0,0,15 \ 0,1,0,4 \ 0,0,1,0,5 \ 0,0,0,1 \ \end{bmatrix} \ L_{4180} = egin{bmatrix} 1,0,0,15 \ 0,1,0,5 \ 0,0,1,0 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,1,0,5 \ 0,0,1,0 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,1,0,5 \ 0,0,1,0 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,1,0,5 \ 0,0,1,0 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,1,0,5 \ 0,0,1,0 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,1,0 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181} = egin{bmatrix} 1,0,0,15 \ 0,0,0,1 \ \end{bmatrix} \ L_{4181}$$

$$L_{4182} = egin{bmatrix} 1,0,0,15 \ 0,1,0,5 \ 0,0,1,2 \ \end{bmatrix} \ L_{4183} = egin{bmatrix} 1,0,0,15 \ 0,0,1,3 \ \end{bmatrix} \ L_{4184} = egin{bmatrix} 1,0,0,15 \ 0,0,1,4 \ \end{bmatrix} \ L_{4185} = egin{bmatrix} 1,0,0,15 \ 0,0,1,5 \ \end{bmatrix} \ L_{4186} = egin{bmatrix} 1,0,0,15 \ 0,0,1,5 \ \end{bmatrix} \ L_{4187} = egin{bmatrix} 1,0,0,15 \ 0,0,1,6 \ \end{bmatrix} \ L_{4188} = egin{bmatrix} 1,0,0,15 \ 0,0,1,7 \ \end{bmatrix} \ L_{4189} = egin{bmatrix} 1,0,0,15 \ 0,0,1,9 \ \end{bmatrix} \ L_{4190} = egin{bmatrix} 1,0,0,15 \ 0,0,1,10 \ \end{bmatrix} \ L_{4192} = egin{bmatrix} 1,0,0,15 \ 0,0,1,11 \ \end{bmatrix} \ L_{4193} = egin{bmatrix} 1,0,0,15 \ 0,0,1,13 \ \end{bmatrix} \ L_{4194} = egin{bmatrix} 1,0,0,15 \ 0,0,1,14 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ 0,1,0,5 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ 0,1,0,5 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ 0,1,0,5 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ 0,1,0,5 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ 0,1,0,5 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ 0,1,0,5 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ 0,0,1,15 \ \end{bmatrix} \ L_{4195} = egin{bmatrix} 1,0,0,15 \ \end{bmatrix} \ L_{4195} =$$

$$L_{4196} = \begin{bmatrix} 1,0,15,0\\0,1,5,0\\0,0,0,1 \end{bmatrix} \\ 0,1,0,6\\0,0,1,0 \end{bmatrix} \\ L_{4197} = \begin{bmatrix} 1,0,0,15\\0,1,0,6\\0,0,1,0 \end{bmatrix} \\ L_{4198} = \begin{bmatrix} 1,0,0,15\\0,1,0,6\\0,0,1,1 \end{bmatrix} \\ 1,0,0,15\\0,1,0,6\\0,0,1,2 \end{bmatrix} \\ L_{4200} = \begin{bmatrix} 1,0,0,15\\0,1,0,6\\0,0,1,3 \end{bmatrix} \\ 1,0,0,15\\0,1,0,6\\0,0,1,4 \end{bmatrix} \\ L_{4201} = \begin{bmatrix} 1,0,0,15\\0,1,0,6\\0,0,1,5 \end{bmatrix} \\ 1,0,0,15\\0,1,0,6\\0,0,1,5 \end{bmatrix} \\ L_{4203} = \begin{bmatrix} 1,0,0,15\\0,1,0,6\\0,0,1,5 \end{bmatrix} \\ 1,0,0,15\\0,1,0,6\\0,0,1,7 \end{bmatrix} \\ L_{4204} = \begin{bmatrix} 1,0,0,15\\0,1,0,6\\0,0,1,7 \end{bmatrix} \\ 1,0,0,15\\0,1,0,6\\0,0,1,9 \end{bmatrix} \\ L_{4207} = \begin{bmatrix} 1,0,0,15\\0,1,0,6\\0,0,1,10 \end{bmatrix} \\ 1,0,0,15\\0,1,0,6\\0,0,1,11 \end{bmatrix} \\ L_{4208} = \begin{bmatrix} 1,0,0,15\\0,1,0,6\\0,0,1,11 \end{bmatrix} \\ 1,0,0,15\\0,1,0,6\\0,0,1,11 \end{bmatrix} \\ 1,0,0,15\\0,1,0,6\\0,0,1,11 \end{bmatrix}$$

$$L_{4210} = egin{bmatrix} 1,0,0,15 \ 0,1,0,6 \ 0,0,1,13 \ 1,0,0,15 \ 0,1,0,6 \ 0,0,1,14 \ \end{bmatrix} \ L_{4212} = egin{bmatrix} 0,1,0,6 \ 0,0,1,15 \ 0,1,0,6 \ 0,0,1,15 \ \end{bmatrix} \ L_{4213} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,0 \ \end{bmatrix} \ L_{4214} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,1 \ \end{bmatrix} \ L_{4216} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,2 \ \end{bmatrix} \ L_{4216} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,3 \ \end{bmatrix} \ L_{4218} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,3 \ \end{bmatrix} \ L_{4219} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,5 \ \end{bmatrix} \ L_{4220} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,6 \ \end{bmatrix} \ L_{4222} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,7 \ \end{bmatrix} \ L_{4223} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4223} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4223} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4223} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4223} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4223} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4223} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4223} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4233} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4233} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4233} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4233} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4233} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4233} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4233} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4234} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4234} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4234} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4234} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4234} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4234} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4234} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,9 \ \end{bmatrix} \ L_{4234} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0$$

$$L_{4224} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,10 \ \end{bmatrix} \ L_{4225} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,11 \ \end{bmatrix} \ L_{4226} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,12 \ \end{bmatrix} \ L_{4227} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,13 \ \end{bmatrix} \ L_{4228} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,14 \ \end{bmatrix} \ L_{4230} = egin{bmatrix} 1,0,0,15 \ 0,1,0,7 \ 0,0,1,15 \ \end{bmatrix} \ L_{4231} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,0 \ \end{bmatrix} \ L_{4232} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,2 \ \end{bmatrix} \ L_{4234} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,3 \ \end{bmatrix} \ L_{4235} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,4 \ \end{bmatrix} \ L_{4236} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,5 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,5 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,5 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,5 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,5 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix} \ L_{4237} = egin{bmatrix} 1,0,0,15 \ 0,1,0,8 \ 0,0,1,6 \ \end{bmatrix} \ L_{4237} = egin{bmatrix}$$

$$L_{4238} = \begin{bmatrix} 1,0,0,15\\0,1,0,8\\0,0,1,7 \end{bmatrix} \\ 0,1,0,8\\0,0,1,8 \end{bmatrix} \\ L_{4239} = \begin{bmatrix} 1,0,0,15\\0,1,0,8\\0,0,1,8 \end{bmatrix} \\ L_{4240} = \begin{bmatrix} 1,0,0,15\\0,1,0,8\\0,0,1,9 \end{bmatrix} \\ 1,0,0,15\\0,1,0,8\\0,0,1,10 \end{bmatrix} \\ L_{4242} = \begin{bmatrix} 1,0,0,15\\0,1,0,8\\0,0,1,10 \end{bmatrix} \\ L_{4243} = \begin{bmatrix} 1,0,0,15\\0,1,0,8\\0,0,1,11 \end{bmatrix} \\ 1,0,0,15\\0,1,0,8\\0,0,1,13 \end{bmatrix} \\ L_{4244} = \begin{bmatrix} 1,0,0,15\\0,1,0,8\\0,0,1,13 \end{bmatrix} \\ L_{4245} = \begin{bmatrix} 1,0,0,15\\0,1,0,8\\0,0,1,14 \end{bmatrix} \\ L_{4246} = \begin{bmatrix} 1,0,0,15\\0,1,0,8\\0,0,1,15 \end{bmatrix} \\ 1,0,0,15\\0,1,0,8\\0,0,1,15 \end{bmatrix} \\ L_{4249} = \begin{bmatrix} 1,0,0,15\\0,1,0,9\\0,0,1,0 \end{bmatrix} \\ L_{4249} = \begin{bmatrix} 1,0,0,15\\0,1,0,9\\0,0,1,2 \end{bmatrix} \\ 1,0,0,15\\0,1,0,9\\0,0,1,2 \end{bmatrix} \\ L_{4250} = \begin{bmatrix} 1,0,0,15\\0,1,0,9\\0,0,1,2 \end{bmatrix} \\ 1,0,0,15\\0,1,0,9\\0,0,1,2 \end{bmatrix} \\ 1,0,0,15\\0,1,0,9\\0,0,1,2 \end{bmatrix}$$

$$L_{4252} = egin{bmatrix} 1,0,0,15 \ 0,1,0,9 \ 0,0,1,4 \ 1,0,0,15 \ 0,1,0,9 \ 0,0,1,5 \ \end{bmatrix}$$
 $L_{4254} = egin{bmatrix} 1,0,0,15 \ 0,1,0,9 \ 0,0,1,6 \ \end{bmatrix}$
 $L_{4255} = egin{bmatrix} 1,0,0,15 \ 0,1,0,9 \ 0,0,1,7 \ \end{bmatrix}$
 $L_{4256} = egin{bmatrix} 1,0,0,15 \ 0,1,0,9 \ 0,0,1,9 \ \end{bmatrix}$
 $L_{4257} = egin{bmatrix} 1,0,0,15 \ 0,1,0,9 \ 0,0,1,10 \ \end{bmatrix}$
 $L_{4258} = egin{bmatrix} 1,0,0,15 \ 0,1,0,9 \ 0,0,1,10 \ \end{bmatrix}$
 $L_{4260} = egin{bmatrix} 1,0,0,15 \ 0,1,0,9 \ 0,0,1,11 \ \end{bmatrix}$
 $L_{4261} = egin{bmatrix} 1,0,0,15 \ 0,1,0,9 \ 0,0,1,13 \ \end{bmatrix}$
 $L_{4262} = egin{bmatrix} 1,0,0,15 \ 0,1,0,9 \ 0,0,1,14 \ \end{bmatrix}$
 $L_{4263} = egin{bmatrix} 1,0,0,15 \ 0,1,0,9 \ 0,0,1,15 \ \end{bmatrix}$
 $L_{4264} = egin{bmatrix} 1,0,0,15 \ 0,1,0,9 \ 0,0,0,1,15 \ \end{bmatrix}$
 $L_{4264} = egin{bmatrix} 1,0,0,15 \ 0,1,0,9 \ 0,0,0,1,15 \ \end{bmatrix}$
 $L_{4265} = egin{bmatrix} 1,0,0,15 \ 0,1,0,9 \ 0,0,0,1,15 \ \end{bmatrix}$
 $L_{4265} = egin{bmatrix} 1,0,0,15 \ 0,1,0,9 \ 0,0,0,1,15 \ \end{bmatrix}$

$$L_{4266} = \begin{bmatrix} 1,0,0,15\\0,1,0,10\\0,0,1,1 \end{bmatrix}$$

$$L_{4267} = \begin{bmatrix} 1,0,0,15\\0,1,0,10\\0,0,1,2 \end{bmatrix}$$

$$L_{4268} = \begin{bmatrix} 1,0,0,15\\0,1,0,10\\0,0,1,3 \end{bmatrix}$$

$$L_{4269} = \begin{bmatrix} 1,0,0,15\\0,1,0,10\\0,0,1,4 \end{bmatrix}$$

$$L_{4270} = \begin{bmatrix} 1,0,0,15\\0,1,0,10\\0,0,1,5 \end{bmatrix}$$

$$L_{4271} = \begin{bmatrix} 1,0,0,15\\0,1,0,10\\0,0,1,6 \end{bmatrix}$$

$$L_{4272} = \begin{bmatrix} 1,0,0,15\\0,1,0,10\\0,0,1,7 \end{bmatrix}$$

$$L_{4273} = \begin{bmatrix} 1,0,0,15\\0,1,0,10\\0,0,1,7 \end{bmatrix}$$

$$L_{4274} = \begin{bmatrix} 1,0,0,15\\0,1,0,10\\0,0,1,9 \end{bmatrix}$$

$$L_{4274} = \begin{bmatrix} 1,0,0,15\\0,1,0,10\\0,0,1,10 \end{bmatrix}$$

$$L_{4275} = \begin{bmatrix} 1,0,0,15\\0,1,0,10\\0,0,1,11 \end{bmatrix}$$

$$L_{4276} = \begin{bmatrix} 1,0,0,15\\0,1,0,10\\0,0,1,11 \end{bmatrix}$$

$$L_{4278} = \begin{bmatrix} 1,0,0,15\\0,1,0,10\\0,0,1,13 \end{bmatrix}$$

$$L_{4279} = \begin{bmatrix} 1,0,0,15\\0,1,0,10\\0,0,1,14 \end{bmatrix}$$

$$L_{4280} = egin{bmatrix} 1,0,0,15 \ 0,1,0,10 \ 0,0,1,15 \ \end{bmatrix} \ L_{4281} = egin{bmatrix} 1,0,15,0 \ 0,1,10,0 \ 0,0,0,1 \ \end{bmatrix} \ L_{4282} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,2 \ \end{bmatrix} \ L_{4283} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,2 \ \end{bmatrix} \ L_{4284} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,3 \ \end{bmatrix} \ L_{4285} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,4 \ \end{bmatrix} \ L_{4287} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,5 \ \end{bmatrix} \ L_{4288} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,6 \ \end{bmatrix} \ L_{4290} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,8 \ \end{bmatrix} \ L_{4291} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,9 \ \end{bmatrix} \ L_{4292} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,9 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,10 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,11 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,11 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,11 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,11 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,11 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,11 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,11 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,11 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,11 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,11 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,11 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,11 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,11 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,11 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,11 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,11 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,11 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ \end{bmatrix} \ L_{4293} = egin{bmatrix} 1,0,0,15 \ \end{bmatrix} \ L_{4294} =$$

$$L_{4294} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,12 \ 1,0,0,15 \ 0,1,0,11 \ 0,0,1,13 \ \end{bmatrix}$$
 $L_{4295} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,14 \ \end{bmatrix}$
 $L_{4296} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,1,15 \ \end{bmatrix}$
 $L_{4297} = egin{bmatrix} 1,0,0,15 \ 0,1,0,11 \ 0,0,0,15 \ \end{bmatrix}$
 $L_{4298} = egin{bmatrix} 1,0,0,15 \ 0,1,0,12 \ 0,0,1,0 \ \end{bmatrix}$
 $L_{4300} = egin{bmatrix} 1,0,0,15 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix}$
 $L_{4301} = egin{bmatrix} 1,0,0,15 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix}$
 $L_{4302} = egin{bmatrix} 1,0,0,15 \ 0,1,0,12 \ 0,0,1,3 \ \end{bmatrix}$
 $L_{4304} = egin{bmatrix} 1,0,0,15 \ 0,1,0,12 \ 0,0,1,5 \ \end{bmatrix}$
 $L_{4306} = egin{bmatrix} 1,0,0,15 \ 0,1,0,12 \ 0,0,1,6 \ \end{bmatrix}$
 $L_{4307} = egin{bmatrix} 1,0,0,15 \ 0,1,0,12 \ 0,0,1,8 \ \end{bmatrix}$
 $L_{4307} = egin{bmatrix} 1,0,0,15 \ 0,1,0,12 \ 0,0,1,8 \ \end{bmatrix}$

$$L_{4308} = egin{bmatrix} 1,0,0,15 \ 0,1,0,12 \ 0,0,1,9 \ \end{bmatrix} \ L_{4309} = egin{bmatrix} 1,0,0,15 \ 0,1,0,12 \ 0,0,1,10 \ \end{bmatrix} \ L_{4310} = egin{bmatrix} 1,0,0,15 \ 0,1,0,12 \ 0,0,1,11 \ \end{bmatrix} \ L_{4311} = egin{bmatrix} 1,0,0,15 \ 0,1,0,12 \ 0,0,1,13 \ \end{bmatrix} \ L_{4312} = egin{bmatrix} 1,0,0,15 \ 0,1,0,12 \ 0,0,1,14 \ \end{bmatrix} \ L_{4314} = egin{bmatrix} 1,0,0,15 \ 0,1,0,12 \ 0,0,1,15 \ \end{bmatrix} \ L_{4316} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{4317} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,0 \ \end{bmatrix} \ L_{4318} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,2 \ \end{bmatrix} \ L_{4319} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,3 \ \end{bmatrix} \ L_{4320} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,4 \ \end{bmatrix} \ L_{4321} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4321} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4321} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4321} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4321} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4321} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4321} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4321} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4321} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4321} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4321} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4321} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4321} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4321} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4321} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4321} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4321} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4321} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4321} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4322} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4322} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,5 \ \end{bmatrix} \ L_{4322} = \end{bmatrix} \ L_{4322} = \end{bmatrix} \ L$$

$$L_{4322} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,6 \ 1,0,0,15 \ 0,1,0,13 \ 0,0,1,7 \ \end{bmatrix} \ L_{4324} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,9 \ \end{bmatrix} \ L_{4325} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,10 \ \end{bmatrix} \ L_{4327} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,11 \ \end{bmatrix} \ L_{4328} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,12 \ \end{bmatrix} \ L_{4329} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,13 \ \end{bmatrix} \ L_{4330} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,14 \ \end{bmatrix} \ L_{4332} = egin{bmatrix} 1,0,0,15 \ 0,1,0,13 \ 0,0,1,15 \ \end{bmatrix} \ L_{4334} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,0 \ \end{bmatrix} \ L_{4334} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,0 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,2 \ \end{bmatrix} \ L_{4335} = egin{bmatr$$

$$L_{4336} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,3 \ \end{bmatrix} \ L_{4337} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{4338} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,5 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,9 \ \end{bmatrix} \ L_{4344} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,9 \ \end{bmatrix} \ L_{4344} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,10 \ \end{bmatrix} \ L_{4344} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,11 \ \end{bmatrix} \ L_{4345} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,12 \ \end{bmatrix} \ L_{4346} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,13 \ \end{bmatrix} \ L_{4348} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,15 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,15 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,15 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,15 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,15 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,15 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,0,1,15 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,0,0,1 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,0,1,15 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,0,0,1 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,0,0,1 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,0,1,15 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,0,1,15 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,0,0,1 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,0,0,1 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,0,0,1 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,0,1,15 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,0,1,15 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,0,1,15 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,0,1,15 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,0,1,15 \ \end{bmatrix} \ L_{4349} = egin{bmatrix} 1,0,0,15 \ 0,1,0,14 \ 0,0,1,14 \ 0,0,1,14 \ 0,0,1,14 \ 0,0,1,14 \ 0,0,1,14 \ 0,0,1,14 \ 0,0,1,14 \ 0,0,1,14 \$$

$$L_{4350} = egin{bmatrix} 1,0,0,15 \ 0,1,0,15 \ 0,0,1,0 \ \end{bmatrix} \ L_{4351} = egin{bmatrix} 1,0,0,15 \ 0,0,1,1 \ \end{bmatrix} \ L_{4352} = egin{bmatrix} 1,0,0,15 \ 0,0,1,2 \ \end{bmatrix} \ L_{4353} = egin{bmatrix} 1,0,0,15 \ 0,0,1,3 \ \end{bmatrix} \ L_{4354} = egin{bmatrix} 1,0,0,15 \ 0,0,1,4 \ \end{bmatrix} \ L_{4355} = egin{bmatrix} 1,0,0,15 \ 0,0,1,5 \ \end{bmatrix} \ L_{4356} = egin{bmatrix} 1,0,0,15 \ 0,0,1,6 \ \end{bmatrix} \ L_{4357} = egin{bmatrix} 1,0,0,15 \ 0,0,1,6 \ \end{bmatrix} \ L_{4358} = egin{bmatrix} 1,0,0,15 \ 0,0,1,0,15 \ 0,0,1,0,15 \ 0,0,1,0,15 \ 0,0,1,0,15 \ 0,0,1,0,15 \ 0,0,1,0,15 \ 0,0,1,10 \ \end{bmatrix} \ L_{4360} = egin{bmatrix} 1,0,0,15 \ 0,0,1,0,15 \ 0,0,1,10 \ \end{bmatrix} \ L_{4361} = egin{bmatrix} 1,0,0,15 \ 0,0,1,11 \ \end{bmatrix} \ L_{4362} = egin{bmatrix} 1,0,0,15 \ 0,0,1,12 \ \end{bmatrix} \ L_{4363} = egin{bmatrix} 1,0,0,15 \ 0,0,1,12 \ \end{bmatrix} \ L_{4363} = egin{bmatrix} 1,0,0,15 \ 0,0,1,12 \ \end{bmatrix} \ L_{4363} = egin{bmatrix} 1,0,0,15 \ 0,0,1,13 \ \end{bmatrix} \ L_{4364} = egin{bmatrix} 1,0,0,15 \ 0,0,1,13 \ \end{bmatrix} \ L_{4364} = egin{bmatrix} 1,0,0,15 \ 0,0,1,13 \ \end{bmatrix} \ L_{4364} = egin{bmatrix} 1,0,0,15 \ 0,0,1,13 \ \end{bmatrix} \ L_{4364} = egin{bmatrix}$$

$$L_{4364} = \begin{bmatrix} 1,0,0,15\\0,1,0,15\\0,0,1,14 \end{bmatrix}$$

$$L_{4365} = \begin{bmatrix} 1,0,0,15\\0,0,1,14 \end{bmatrix}$$

$$L_{4366} = \begin{bmatrix} 1,0,15,0\\0,1,15,0\\0,1,15,0\\0,0,0,1 \end{bmatrix}$$

$$L_{4367} = \begin{bmatrix} 1,15,0,0\\0,0,1,0\\0,0,0,1 \end{bmatrix}$$

$$L_{4368} = \begin{bmatrix} 0,1,0,0\\0,0,1,0\\0,0,0,1 \end{bmatrix}$$

The polynomial rings associated with PG(3, 16)

h	monomial	vector
0	X_0	(1,0,0,0)
1	X_1	(0, 1, 0, 0)
2	X_2	(0, 0, 1, 0)
3	X_3	(0,0,0,1)

h	monomial	vector
0	X_0^2	(2,0,0,0)
1	X_1^2	(0, 2, 0, 0)
2	X_2^2	(0,0,2,0)
3	X_3^2	(0,0,0,2)
4	X_0X_1	(1, 1, 0, 0)
5	X_0X_2	(1,0,1,0)
6	X_0X_3	(1,0,0,1)
7	X_1X_2	(0, 1, 1, 0)
8	X_1X_3	(0, 1, 0, 1)
9	X_2X_3	(0,0,1,1)

h	monomial	vector
0	X_0^3	(3,0,0,0)
1	X_1^3	(0,3,0,0)
2	X_2^3	(0,0,3,0)
3	$X_3^{\overline{3}}$	(0,0,0,3)
4	$X_0^2 X_1$	(2, 1, 0, 0)
5	$X_0^2 X_2$	(2,0,1,0)
6	$X_0^2 X_3$	(2,0,0,1)
7	$X_0^{\circ}X_1^2$	(1, 2, 0, 0)
8	$X_1^2 X_2$	(0,2,1,0)
9	$X_1^{\bar{2}}X_3$	(0, 2, 0, 1)
10	$X_0 X_2^2$	(1,0,2,0)
11	$X_1X_2^{\bar{2}}$	(0, 1, 2, 0)
12	$X_{2}^{2}X_{3}^{-}$	(0,0,2,1)
13	$X_0 X_3^2$	(1,0,0,2)
14	$X_1X_3^2$	(0,1,0,2)
15	$X_2X_3^2$	(0,0,1,2)
16	$X_0X_1X_2$	(1, 1, 1, 0)
17	$X_0X_1X_3$	(1, 1, 0, 1)
18	$X_0X_2X_3$	(1,0,1,1)
19	$X_1X_2X_3$	(0, 1, 1, 1)

h	$\overline{\text{monomial}}$	vector
0	X_0^4	(4,0,0,0)
1	X_{1}^{4}	(0,4,0,0)
2	X_2^4	(0,0,4,0)
3	X_3^4	(0,0,0,4)
4	$X_0^3 X_1$	(3,1,0,0)
5	$X_0^3 X_2$	(3,0,1,0)
6	$X_0^3 X_3$	(3,0,0,1)
7	$X_0 X_1^3$	(1,3,0,0)
8	$X_1^3 X_2$	(0,3,1,0)
9	$X_1^3 X_3$	(0,3,0,1)
10	$X_0 X_2^3$	(1,0,3,0)
11	$X_1 X_2^3$	(0,1,3,0)
12	$X_2^3 X_3$	(0,0,3,1)
13	$X_0 X_3^3$	(1,0,0,3)
14	$X_1 X_3^3$	(0,1,0,3)
15	$X_2X_3^3$	(0,0,1,3)
16	$X_0^2 X_1^2$	(2, 2, 0, 0)
17	$X_0^2 X_2^2$	(2,0,2,0)
18	$X_0^2 X_3^2$	(2,0,0,2)
19	$X_1^2 X_2^2$	(0, 2, 2, 0)
20	$X_1^2 X_3^2$	(0, 2, 0, 2)
21	$X_2^2 X_3^2$	(0,0,2,2)
22	$X_0^2 X_1 X_2$	(2,1,1,0)
23	$X_0^2 X_1 X_3$	(2,1,0,1)
24	$X_0^2 X_2 X_3$	(2,0,1,1)

h	monomial	vector
25	$X_0 X_1^2 X_2$	(1, 2, 1, 0)
26	$X_0 X_1^2 X_3$	(1, 2, 0, 1)
27	$X_1^2 X_2 X_3$	(0,2,1,1)
28	$X_0 X_1 X_2^2$	(1, 1, 2, 0)
29	$X_0 X_2^2 X_3$	(1,0,2,1)
30	$X_1 X_2^2 X_3$	(0,1,2,1)
31	$X_0 X_1 X_3^2$	(1, 1, 0, 2)
32	$X_0 X_2 X_3^2$	(1,0,1,2)
33	$X_1 X_2 X_3^2$	(0,1,1,2)
34	$X_0 X_1 X_2 X_3$	(1,1,1,1)