

# Cheat Sheet PG(3, 8)

January 16, 2021

## The projective space PG(3, 8)

$$q = 8$$

$$p = 2$$

$$e = 3$$

$$n = 3$$

$$\text{Number of points} = 585$$

$$\text{Number of lines} = 4745$$

$$\text{Number of lines on a point} = 73$$

$$\text{Number of points on a line} = 9$$

## The points of PG(3, 8)

PG(3, 8) has 585 points:

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

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

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

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

$$P_4 = (1, 1, 1, 1) = (1, 1, 1, 1)$$

$$P_5 = (1, 1, 0, 0) = (1, 1, 0, 0)$$

$$P_6 = (2, 1, 0, 0) = (\alpha, 1, 0, 0)$$

$$P_7 = (3, 1, 0, 0) = (\alpha^5, 1, 0, 0)$$

$$P_8 = (4, 1, 0, 0) = (\alpha^2, 1, 0, 0)$$

$$P_9 = (5, 1, 0, 0) = (\alpha^3, 1, 0, 0)$$

$$P_{10} = (6, 1, 0, 0) = (\alpha^6, 1, 0, 0)$$

$$P_{11} = (7, 1, 0, 0) = (\alpha^4, 1, 0, 0)$$

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

$$P_{13} = (2, 0, 1, 0) = (\alpha, 0, 1, 0)$$

$$P_{14} = (3, 0, 1, 0) = (\alpha^5, 0, 1, 0)$$

$$P_{15} = (4, 0, 1, 0) = (\alpha^2, 0, 1, 0)$$

$$P_{16} = (5, 0, 1, 0) = (\alpha^3, 0, 1, 0)$$

$$P_{17} = (6, 0, 1, 0) = (\alpha^6, 0, 1, 0)$$

$$P_{18} = (7, 0, 1, 0) = (\alpha^4, 0, 1, 0)$$

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

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

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

$$P_{22} = (3, 1, 1, 0) = (\alpha^5, 1, 1, 0)$$

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

$$P_{24} = (5, 1, 1, 0) = (\alpha^3, 1, 1, 0)$$

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

$$P_{26} = (7, 1, 1, 0) = (\alpha^4, 1, 1, 0)$$

$$P_{27} = (0, 2, 1, 0) = (0, \alpha, 1, 0)$$

$$P_{28} = (1, 2, 1, 0) = (1, \alpha, 1, 0)$$

$$P_{29} = (2, 2, 1, 0) = (\alpha, \alpha, 1, 0)$$

$$P_{30} = (3, 2, 1, 0) = (\alpha^5, \alpha, 1, 0)$$

$$P_{31} = (4, 2, 1, 0) = (\alpha^2, \alpha, 1, 0)$$

$$P_{32} = (5, 2, 1, 0) = (\alpha^3, \alpha, 1, 0)$$

$$P_{33} = (6, 2, 1, 0) = (\alpha^6, \alpha, 1, 0)$$

$$\begin{aligned}
P_{34} &= (7, 2, 1, 0) = (\alpha^4, \alpha, 1, 0) \\
P_{35} &= (0, 3, 1, 0) = (0, \alpha^5, 1, 0) \\
P_{36} &= (1, 3, 1, 0) = (1, \alpha^5, 1, 0) \\
P_{37} &= (2, 3, 1, 0) = (\alpha, \alpha^5, 1, 0) \\
P_{38} &= (3, 3, 1, 0) = (\alpha^5, \alpha^5, 1, 0) \\
P_{39} &= (4, 3, 1, 0) = (\alpha^2, \alpha^5, 1, 0) \\
P_{40} &= (5, 3, 1, 0) = (\alpha^3, \alpha^5, 1, 0) \\
P_{41} &= (6, 3, 1, 0) = (\alpha^6, \alpha^5, 1, 0) \\
P_{42} &= (7, 3, 1, 0) = (\alpha^4, \alpha^5, 1, 0) \\
P_{43} &= (0, 4, 1, 0) = (0, \alpha^2, 1, 0) \\
P_{44} &= (1, 4, 1, 0) = (1, \alpha^2, 1, 0) \\
P_{45} &= (2, 4, 1, 0) = (\alpha, \alpha^2, 1, 0) \\
P_{46} &= (3, 4, 1, 0) = (\alpha^5, \alpha^2, 1, 0) \\
P_{47} &= (4, 4, 1, 0) = (\alpha^2, \alpha^2, 1, 0) \\
P_{48} &= (5, 4, 1, 0) = (\alpha^3, \alpha^2, 1, 0) \\
P_{49} &= (6, 4, 1, 0) = (\alpha^6, \alpha^2, 1, 0) \\
P_{50} &= (7, 4, 1, 0) = (\alpha^4, \alpha^2, 1, 0) \\
P_{51} &= (0, 5, 1, 0) = (0, \alpha^3, 1, 0) \\
P_{52} &= (1, 5, 1, 0) = (1, \alpha^3, 1, 0) \\
P_{53} &= (2, 5, 1, 0) = (\alpha, \alpha^3, 1, 0) \\
P_{54} &= (3, 5, 1, 0) = (\alpha^5, \alpha^3, 1, 0) \\
P_{55} &= (4, 5, 1, 0) = (\alpha^2, \alpha^3, 1, 0) \\
P_{56} &= (5, 5, 1, 0) = (\alpha^3, \alpha^3, 1, 0) \\
P_{57} &= (6, 5, 1, 0) = (\alpha^6, \alpha^3, 1, 0) \\
P_{58} &= (7, 5, 1, 0) = (\alpha^4, \alpha^3, 1, 0) \\
P_{59} &= (0, 6, 1, 0) = (0, \alpha^6, 1, 0) \\
P_{60} &= (1, 6, 1, 0) = (1, \alpha^6, 1, 0) \\
P_{61} &= (2, 6, 1, 0) = (\alpha, \alpha^6, 1, 0) \\
P_{62} &= (3, 6, 1, 0) = (\alpha^5, \alpha^6, 1, 0) \\
P_{63} &= (4, 6, 1, 0) = (\alpha^2, \alpha^6, 1, 0) \\
P_{64} &= (5, 6, 1, 0) = (\alpha^3, \alpha^6, 1, 0) \\
P_{65} &= (6, 6, 1, 0) = (\alpha^6, \alpha^6, 1, 0) \\
P_{66} &= (7, 6, 1, 0) = (\alpha^4, \alpha^6, 1, 0) \\
P_{67} &= (0, 7, 1, 0) = (0, \alpha^4, 1, 0) \\
P_{68} &= (1, 7, 1, 0) = (1, \alpha^4, 1, 0) \\
P_{69} &= (2, 7, 1, 0) = (\alpha, \alpha^4, 1, 0) \\
P_{70} &= (3, 7, 1, 0) = (\alpha^5, \alpha^4, 1, 0) \\
P_{71} &= (4, 7, 1, 0) = (\alpha^2, \alpha^4, 1, 0) \\
P_{72} &= (5, 7, 1, 0) = (\alpha^3, \alpha^4, 1, 0) \\
P_{73} &= (6, 7, 1, 0) = (\alpha^6, \alpha^4, 1, 0) \\
P_{74} &= (7, 7, 1, 0) = (\alpha^4, \alpha^4, 1, 0) \\
P_{75} &= (1, 0, 0, 1) = (1, 0, 0, 1) \\
P_{76} &= (2, 0, 0, 1) = (\alpha, 0, 0, 1) \\
P_{77} &= (3, 0, 0, 1) = (\alpha^5, 0, 0, 1) \\
P_{78} &= (4, 0, 0, 1) = (\alpha^2, 0, 0, 1)
\end{aligned}$$

$$\begin{aligned}
P_{79} &= (5, 0, 0, 1) = (\alpha^3, 0, 0, 1) \\
P_{80} &= (6, 0, 0, 1) = (\alpha^6, 0, 0, 1) \\
P_{81} &= (7, 0, 0, 1) = (\alpha^4, 0, 0, 1) \\
P_{82} &= (0, 1, 0, 1) = (0, 1, 0, 1) \\
P_{83} &= (1, 1, 0, 1) = (1, 1, 0, 1) \\
P_{84} &= (2, 1, 0, 1) = (\alpha, 1, 0, 1) \\
P_{85} &= (3, 1, 0, 1) = (\alpha^5, 1, 0, 1) \\
P_{86} &= (4, 1, 0, 1) = (\alpha^2, 1, 0, 1) \\
P_{87} &= (5, 1, 0, 1) = (\alpha^3, 1, 0, 1) \\
P_{88} &= (6, 1, 0, 1) = (\alpha^6, 1, 0, 1) \\
P_{89} &= (7, 1, 0, 1) = (\alpha^4, 1, 0, 1) \\
P_{90} &= (0, 2, 0, 1) = (0, \alpha, 0, 1) \\
P_{91} &= (1, 2, 0, 1) = (1, \alpha, 0, 1) \\
P_{92} &= (2, 2, 0, 1) = (\alpha, \alpha, 0, 1) \\
P_{93} &= (3, 2, 0, 1) = (\alpha^5, \alpha, 0, 1) \\
P_{94} &= (4, 2, 0, 1) = (\alpha^2, \alpha, 0, 1) \\
P_{95} &= (5, 2, 0, 1) = (\alpha^3, \alpha, 0, 1) \\
P_{96} &= (6, 2, 0, 1) = (\alpha^6, \alpha, 0, 1) \\
P_{97} &= (7, 2, 0, 1) = (\alpha^4, \alpha, 0, 1) \\
P_{98} &= (0, 3, 0, 1) = (0, \alpha^5, 0, 1) \\
P_{99} &= (1, 3, 0, 1) = (1, \alpha^5, 0, 1) \\
P_{100} &= (2, 3, 0, 1) = (\alpha, \alpha^5, 0, 1) \\
P_{101} &= (3, 3, 0, 1) = (\alpha^5, \alpha^5, 0, 1) \\
P_{102} &= (4, 3, 0, 1) = (\alpha^2, \alpha^5, 0, 1) \\
P_{103} &= (5, 3, 0, 1) = (\alpha^3, \alpha^5, 0, 1) \\
P_{104} &= (6, 3, 0, 1) = (\alpha^6, \alpha^5, 0, 1) \\
P_{105} &= (7, 3, 0, 1) = (\alpha^4, \alpha^5, 0, 1) \\
P_{106} &= (0, 4, 0, 1) = (0, \alpha^2, 0, 1) \\
P_{107} &= (1, 4, 0, 1) = (1, \alpha^2, 0, 1) \\
P_{108} &= (2, 4, 0, 1) = (\alpha, \alpha^2, 0, 1) \\
P_{109} &= (3, 4, 0, 1) = (\alpha^5, \alpha^2, 0, 1) \\
P_{110} &= (4, 4, 0, 1) = (\alpha^2, \alpha^2, 0, 1) \\
P_{111} &= (5, 4, 0, 1) = (\alpha^3, \alpha^2, 0, 1) \\
P_{112} &= (6, 4, 0, 1) = (\alpha^6, \alpha^2, 0, 1) \\
P_{113} &= (7, 4, 0, 1) = (\alpha^4, \alpha^2, 0, 1) \\
P_{114} &= (0, 5, 0, 1) = (0, \alpha^3, 0, 1) \\
P_{115} &= (1, 5, 0, 1) = (1, \alpha^3, 0, 1) \\
P_{116} &= (2, 5, 0, 1) = (\alpha, \alpha^3, 0, 1) \\
P_{117} &= (3, 5, 0, 1) = (\alpha^5, \alpha^3, 0, 1) \\
P_{118} &= (4, 5, 0, 1) = (\alpha^2, \alpha^3, 0, 1) \\
P_{119} &= (5, 5, 0, 1) = (\alpha^3, \alpha^3, 0, 1) \\
P_{120} &= (6, 5, 0, 1) = (\alpha^6, \alpha^3, 0, 1) \\
P_{121} &= (7, 5, 0, 1) = (\alpha^4, \alpha^3, 0, 1) \\
P_{122} &= (0, 6, 0, 1) = (0, \alpha^6, 0, 1) \\
P_{123} &= (1, 6, 0, 1) = (1, \alpha^6, 0, 1)
\end{aligned}$$

$$\begin{aligned}
P_{124} &= (2, 6, 0, 1) = (\alpha, \alpha^6, 0, 1) \\
P_{125} &= (3, 6, 0, 1) = (\alpha^5, \alpha^6, 0, 1) \\
P_{126} &= (4, 6, 0, 1) = (\alpha^2, \alpha^6, 0, 1) \\
P_{127} &= (5, 6, 0, 1) = (\alpha^3, \alpha^6, 0, 1) \\
P_{128} &= (6, 6, 0, 1) = (\alpha^6, \alpha^6, 0, 1) \\
P_{129} &= (7, 6, 0, 1) = (\alpha^4, \alpha^6, 0, 1) \\
P_{130} &= (0, 7, 0, 1) = (0, \alpha^4, 0, 1) \\
P_{131} &= (1, 7, 0, 1) = (1, \alpha^4, 0, 1) \\
P_{132} &= (2, 7, 0, 1) = (\alpha, \alpha^4, 0, 1) \\
P_{133} &= (3, 7, 0, 1) = (\alpha^5, \alpha^4, 0, 1) \\
P_{134} &= (4, 7, 0, 1) = (\alpha^2, \alpha^4, 0, 1) \\
P_{135} &= (5, 7, 0, 1) = (\alpha^3, \alpha^4, 0, 1) \\
P_{136} &= (6, 7, 0, 1) = (\alpha^6, \alpha^4, 0, 1) \\
P_{137} &= (7, 7, 0, 1) = (\alpha^4, \alpha^4, 0, 1) \\
P_{138} &= (0, 0, 1, 1) = (0, 0, 1, 1) \\
P_{139} &= (1, 0, 1, 1) = (1, 0, 1, 1) \\
P_{140} &= (2, 0, 1, 1) = (\alpha, 0, 1, 1) \\
P_{141} &= (3, 0, 1, 1) = (\alpha^5, 0, 1, 1) \\
P_{142} &= (4, 0, 1, 1) = (\alpha^2, 0, 1, 1) \\
P_{143} &= (5, 0, 1, 1) = (\alpha^3, 0, 1, 1) \\
P_{144} &= (6, 0, 1, 1) = (\alpha^6, 0, 1, 1) \\
P_{145} &= (7, 0, 1, 1) = (\alpha^4, 0, 1, 1) \\
P_{146} &= (0, 1, 1, 1) = (0, 1, 1, 1) \\
P_{147} &= (2, 1, 1, 1) = (\alpha, 1, 1, 1) \\
P_{148} &= (3, 1, 1, 1) = (\alpha^5, 1, 1, 1) \\
P_{149} &= (4, 1, 1, 1) = (\alpha^2, 1, 1, 1) \\
P_{150} &= (5, 1, 1, 1) = (\alpha^3, 1, 1, 1) \\
P_{151} &= (6, 1, 1, 1) = (\alpha^6, 1, 1, 1) \\
P_{152} &= (7, 1, 1, 1) = (\alpha^4, 1, 1, 1) \\
P_{153} &= (0, 2, 1, 1) = (0, \alpha, 1, 1) \\
P_{154} &= (1, 2, 1, 1) = (1, \alpha, 1, 1) \\
P_{155} &= (2, 2, 1, 1) = (\alpha, \alpha, 1, 1) \\
P_{156} &= (3, 2, 1, 1) = (\alpha^5, \alpha, 1, 1) \\
P_{157} &= (4, 2, 1, 1) = (\alpha^2, \alpha, 1, 1) \\
P_{158} &= (5, 2, 1, 1) = (\alpha^3, \alpha, 1, 1) \\
P_{159} &= (6, 2, 1, 1) = (\alpha^6, \alpha, 1, 1) \\
P_{160} &= (7, 2, 1, 1) = (\alpha^4, \alpha, 1, 1) \\
P_{161} &= (0, 3, 1, 1) = (0, \alpha^5, 1, 1) \\
P_{162} &= (1, 3, 1, 1) = (1, \alpha^5, 1, 1) \\
P_{163} &= (2, 3, 1, 1) = (\alpha, \alpha^5, 1, 1) \\
P_{164} &= (3, 3, 1, 1) = (\alpha^5, \alpha^5, 1, 1) \\
P_{165} &= (4, 3, 1, 1) = (\alpha^2, \alpha^5, 1, 1) \\
P_{166} &= (5, 3, 1, 1) = (\alpha^3, \alpha^5, 1, 1) \\
P_{167} &= (6, 3, 1, 1) = (\alpha^6, \alpha^5, 1, 1) \\
P_{168} &= (7, 3, 1, 1) = (\alpha^4, \alpha^5, 1, 1)
\end{aligned}$$

$$\begin{aligned}
P_{169} &= (0, 4, 1, 1) = (0, \alpha^2, 1, 1) \\
P_{170} &= (1, 4, 1, 1) = (1, \alpha^2, 1, 1) \\
P_{171} &= (2, 4, 1, 1) = (\alpha, \alpha^2, 1, 1) \\
P_{172} &= (3, 4, 1, 1) = (\alpha^5, \alpha^2, 1, 1) \\
P_{173} &= (4, 4, 1, 1) = (\alpha^2, \alpha^2, 1, 1) \\
P_{174} &= (5, 4, 1, 1) = (\alpha^3, \alpha^2, 1, 1) \\
P_{175} &= (6, 4, 1, 1) = (\alpha^6, \alpha^2, 1, 1) \\
P_{176} &= (7, 4, 1, 1) = (\alpha^4, \alpha^2, 1, 1) \\
P_{177} &= (0, 5, 1, 1) = (0, \alpha^3, 1, 1) \\
P_{178} &= (1, 5, 1, 1) = (1, \alpha^3, 1, 1) \\
P_{179} &= (2, 5, 1, 1) = (\alpha, \alpha^3, 1, 1) \\
P_{180} &= (3, 5, 1, 1) = (\alpha^5, \alpha^3, 1, 1) \\
P_{181} &= (4, 5, 1, 1) = (\alpha^2, \alpha^3, 1, 1) \\
P_{182} &= (5, 5, 1, 1) = (\alpha^3, \alpha^3, 1, 1) \\
P_{183} &= (6, 5, 1, 1) = (\alpha^6, \alpha^3, 1, 1) \\
P_{184} &= (7, 5, 1, 1) = (\alpha^4, \alpha^3, 1, 1) \\
P_{185} &= (0, 6, 1, 1) = (0, \alpha^6, 1, 1) \\
P_{186} &= (1, 6, 1, 1) = (1, \alpha^6, 1, 1) \\
P_{187} &= (2, 6, 1, 1) = (\alpha, \alpha^6, 1, 1) \\
P_{188} &= (3, 6, 1, 1) = (\alpha^5, \alpha^6, 1, 1) \\
P_{189} &= (4, 6, 1, 1) = (\alpha^2, \alpha^6, 1, 1) \\
P_{190} &= (5, 6, 1, 1) = (\alpha^3, \alpha^6, 1, 1) \\
P_{191} &= (6, 6, 1, 1) = (\alpha^6, \alpha^6, 1, 1) \\
P_{192} &= (7, 6, 1, 1) = (\alpha^4, \alpha^6, 1, 1) \\
P_{193} &= (0, 7, 1, 1) = (0, \alpha^4, 1, 1) \\
P_{194} &= (1, 7, 1, 1) = (1, \alpha^4, 1, 1) \\
P_{195} &= (2, 7, 1, 1) = (\alpha, \alpha^4, 1, 1) \\
P_{196} &= (3, 7, 1, 1) = (\alpha^5, \alpha^4, 1, 1) \\
P_{197} &= (4, 7, 1, 1) = (\alpha^2, \alpha^4, 1, 1) \\
P_{198} &= (5, 7, 1, 1) = (\alpha^3, \alpha^4, 1, 1) \\
P_{199} &= (6, 7, 1, 1) = (\alpha^6, \alpha^4, 1, 1) \\
P_{200} &= (7, 7, 1, 1) = (\alpha^4, \alpha^4, 1, 1) \\
P_{201} &= (0, 0, 2, 1) = (0, 0, \alpha, 1) \\
P_{202} &= (1, 0, 2, 1) = (1, 0, \alpha, 1) \\
P_{203} &= (2, 0, 2, 1) = (\alpha, 0, \alpha, 1) \\
P_{204} &= (3, 0, 2, 1) = (\alpha^5, 0, \alpha, 1) \\
P_{205} &= (4, 0, 2, 1) = (\alpha^2, 0, \alpha, 1) \\
P_{206} &= (5, 0, 2, 1) = (\alpha^3, 0, \alpha, 1) \\
P_{207} &= (6, 0, 2, 1) = (\alpha^6, 0, \alpha, 1) \\
P_{208} &= (7, 0, 2, 1) = (\alpha^4, 0, \alpha, 1) \\
P_{209} &= (0, 1, 2, 1) = (0, 1, \alpha, 1) \\
P_{210} &= (1, 1, 2, 1) = (1, 1, \alpha, 1) \\
P_{211} &= (2, 1, 2, 1) = (\alpha, 1, \alpha, 1) \\
P_{212} &= (3, 1, 2, 1) = (\alpha^5, 1, \alpha, 1) \\
P_{213} &= (4, 1, 2, 1) = (\alpha^2, 1, \alpha, 1)
\end{aligned}$$

$$\begin{aligned}
P_{214} &= (5, 1, 2, 1) = (\alpha^3, 1, \alpha, 1) \\
P_{215} &= (6, 1, 2, 1) = (\alpha^6, 1, \alpha, 1) \\
P_{216} &= (7, 1, 2, 1) = (\alpha^4, 1, \alpha, 1) \\
P_{217} &= (0, 2, 2, 1) = (0, \alpha, \alpha, 1) \\
P_{218} &= (1, 2, 2, 1) = (1, \alpha, \alpha, 1) \\
P_{219} &= (2, 2, 2, 1) = (\alpha, \alpha, \alpha, 1) \\
P_{220} &= (3, 2, 2, 1) = (\alpha^5, \alpha, \alpha, 1) \\
P_{221} &= (4, 2, 2, 1) = (\alpha^2, \alpha, \alpha, 1) \\
P_{222} &= (5, 2, 2, 1) = (\alpha^3, \alpha, \alpha, 1) \\
P_{223} &= (6, 2, 2, 1) = (\alpha^6, \alpha, \alpha, 1) \\
P_{224} &= (7, 2, 2, 1) = (\alpha^4, \alpha, \alpha, 1) \\
P_{225} &= (0, 3, 2, 1) = (0, \alpha^5, \alpha, 1) \\
P_{226} &= (1, 3, 2, 1) = (1, \alpha^5, \alpha, 1) \\
P_{227} &= (2, 3, 2, 1) = (\alpha, \alpha^5, \alpha, 1) \\
P_{228} &= (3, 3, 2, 1) = (\alpha^5, \alpha^5, \alpha, 1) \\
P_{229} &= (4, 3, 2, 1) = (\alpha^2, \alpha^5, \alpha, 1) \\
P_{230} &= (5, 3, 2, 1) = (\alpha^3, \alpha^5, \alpha, 1) \\
P_{231} &= (6, 3, 2, 1) = (\alpha^6, \alpha^5, \alpha, 1) \\
P_{232} &= (7, 3, 2, 1) = (\alpha^4, \alpha^5, \alpha, 1) \\
P_{233} &= (0, 4, 2, 1) = (0, \alpha^2, \alpha, 1) \\
P_{234} &= (1, 4, 2, 1) = (1, \alpha^2, \alpha, 1) \\
P_{235} &= (2, 4, 2, 1) = (\alpha, \alpha^2, \alpha, 1) \\
P_{236} &= (3, 4, 2, 1) = (\alpha^5, \alpha^2, \alpha, 1) \\
P_{237} &= (4, 4, 2, 1) = (\alpha^2, \alpha^2, \alpha, 1) \\
P_{238} &= (5, 4, 2, 1) = (\alpha^3, \alpha^2, \alpha, 1) \\
P_{239} &= (6, 4, 2, 1) = (\alpha^6, \alpha^2, \alpha, 1) \\
P_{240} &= (7, 4, 2, 1) = (\alpha^4, \alpha^2, \alpha, 1) \\
P_{241} &= (0, 5, 2, 1) = (0, \alpha^3, \alpha, 1) \\
P_{242} &= (1, 5, 2, 1) = (1, \alpha^3, \alpha, 1) \\
P_{243} &= (2, 5, 2, 1) = (\alpha, \alpha^3, \alpha, 1) \\
P_{244} &= (3, 5, 2, 1) = (\alpha^5, \alpha^3, \alpha, 1) \\
P_{245} &= (4, 5, 2, 1) = (\alpha^2, \alpha^3, \alpha, 1) \\
P_{246} &= (5, 5, 2, 1) = (\alpha^3, \alpha^3, \alpha, 1) \\
P_{247} &= (6, 5, 2, 1) = (\alpha^6, \alpha^3, \alpha, 1) \\
P_{248} &= (7, 5, 2, 1) = (\alpha^4, \alpha^3, \alpha, 1) \\
P_{249} &= (0, 6, 2, 1) = (0, \alpha^6, \alpha, 1) \\
P_{250} &= (1, 6, 2, 1) = (1, \alpha^6, \alpha, 1) \\
P_{251} &= (2, 6, 2, 1) = (\alpha, \alpha^6, \alpha, 1) \\
P_{252} &= (3, 6, 2, 1) = (\alpha^5, \alpha^6, \alpha, 1) \\
P_{253} &= (4, 6, 2, 1) = (\alpha^2, \alpha^6, \alpha, 1) \\
P_{254} &= (5, 6, 2, 1) = (\alpha^3, \alpha^6, \alpha, 1) \\
P_{255} &= (6, 6, 2, 1) = (\alpha^6, \alpha^6, \alpha, 1) \\
P_{256} &= (7, 6, 2, 1) = (\alpha^4, \alpha^6, \alpha, 1) \\
P_{257} &= (0, 7, 2, 1) = (0, \alpha^4, \alpha, 1) \\
P_{258} &= (1, 7, 2, 1) = (1, \alpha^4, \alpha, 1)
\end{aligned}$$

$$\begin{aligned}
P_{259} &= (2, 7, 2, 1) = (\alpha, \alpha^4, \alpha, 1) \\
P_{260} &= (3, 7, 2, 1) = (\alpha^5, \alpha^4, \alpha, 1) \\
P_{261} &= (4, 7, 2, 1) = (\alpha^2, \alpha^4, \alpha, 1) \\
P_{262} &= (5, 7, 2, 1) = (\alpha^3, \alpha^4, \alpha, 1) \\
P_{263} &= (6, 7, 2, 1) = (\alpha^6, \alpha^4, \alpha, 1) \\
P_{264} &= (7, 7, 2, 1) = (\alpha^4, \alpha^4, \alpha, 1) \\
P_{265} &= (0, 0, 3, 1) = (0, 0, \alpha^5, 1) \\
P_{266} &= (1, 0, 3, 1) = (1, 0, \alpha^5, 1) \\
P_{267} &= (2, 0, 3, 1) = (\alpha, 0, \alpha^5, 1) \\
P_{268} &= (3, 0, 3, 1) = (\alpha^5, 0, \alpha^5, 1) \\
P_{269} &= (4, 0, 3, 1) = (\alpha^2, 0, \alpha^5, 1) \\
P_{270} &= (5, 0, 3, 1) = (\alpha^3, 0, \alpha^5, 1) \\
P_{271} &= (6, 0, 3, 1) = (\alpha^6, 0, \alpha^5, 1) \\
P_{272} &= (7, 0, 3, 1) = (\alpha^4, 0, \alpha^5, 1) \\
P_{273} &= (0, 1, 3, 1) = (0, 1, \alpha^5, 1) \\
P_{274} &= (1, 1, 3, 1) = (1, 1, \alpha^5, 1) \\
P_{275} &= (2, 1, 3, 1) = (\alpha, 1, \alpha^5, 1) \\
P_{276} &= (3, 1, 3, 1) = (\alpha^5, 1, \alpha^5, 1) \\
P_{277} &= (4, 1, 3, 1) = (\alpha^2, 1, \alpha^5, 1) \\
P_{278} &= (5, 1, 3, 1) = (\alpha^3, 1, \alpha^5, 1) \\
P_{279} &= (6, 1, 3, 1) = (\alpha^6, 1, \alpha^5, 1) \\
P_{280} &= (7, 1, 3, 1) = (\alpha^4, 1, \alpha^5, 1) \\
P_{281} &= (0, 2, 3, 1) = (0, \alpha, \alpha^5, 1) \\
P_{282} &= (1, 2, 3, 1) = (1, \alpha, \alpha^5, 1) \\
P_{283} &= (2, 2, 3, 1) = (\alpha, \alpha, \alpha^5, 1) \\
P_{284} &= (3, 2, 3, 1) = (\alpha^5, \alpha, \alpha^5, 1) \\
P_{285} &= (4, 2, 3, 1) = (\alpha^2, \alpha, \alpha^5, 1) \\
P_{286} &= (5, 2, 3, 1) = (\alpha^3, \alpha, \alpha^5, 1) \\
P_{287} &= (6, 2, 3, 1) = (\alpha^6, \alpha, \alpha^5, 1) \\
P_{288} &= (7, 2, 3, 1) = (\alpha^4, \alpha, \alpha^5, 1) \\
P_{289} &= (0, 3, 3, 1) = (0, \alpha^5, \alpha^5, 1) \\
P_{290} &= (1, 3, 3, 1) = (1, \alpha^5, \alpha^5, 1) \\
P_{291} &= (2, 3, 3, 1) = (\alpha, \alpha^5, \alpha^5, 1) \\
P_{292} &= (3, 3, 3, 1) = (\alpha^5, \alpha^5, \alpha^5, 1) \\
P_{293} &= (4, 3, 3, 1) = (\alpha^2, \alpha^5, \alpha^5, 1) \\
P_{294} &= (5, 3, 3, 1) = (\alpha^3, \alpha^5, \alpha^5, 1) \\
P_{295} &= (6, 3, 3, 1) = (\alpha^6, \alpha^5, \alpha^5, 1) \\
P_{296} &= (7, 3, 3, 1) = (\alpha^4, \alpha^5, \alpha^5, 1) \\
P_{297} &= (0, 4, 3, 1) = (0, \alpha^2, \alpha^5, 1) \\
P_{298} &= (1, 4, 3, 1) = (1, \alpha^2, \alpha^5, 1) \\
P_{299} &= (2, 4, 3, 1) = (\alpha, \alpha^2, \alpha^5, 1) \\
P_{300} &= (3, 4, 3, 1) = (\alpha^5, \alpha^2, \alpha^5, 1) \\
P_{301} &= (4, 4, 3, 1) = (\alpha^2, \alpha^2, \alpha^5, 1) \\
P_{302} &= (5, 4, 3, 1) = (\alpha^3, \alpha^2, \alpha^5, 1) \\
P_{303} &= (6, 4, 3, 1) = (\alpha^6, \alpha^2, \alpha^5, 1)
\end{aligned}$$

$$\begin{aligned}
P_{304} &= (7, 4, 3, 1) = (\alpha^4, \alpha^2, \alpha^5, 1) \\
P_{305} &= (0, 5, 3, 1) = (0, \alpha^3, \alpha^5, 1) \\
P_{306} &= (1, 5, 3, 1) = (1, \alpha^3, \alpha^5, 1) \\
P_{307} &= (2, 5, 3, 1) = (\alpha, \alpha^3, \alpha^5, 1) \\
P_{308} &= (3, 5, 3, 1) = (\alpha^5, \alpha^3, \alpha^5, 1) \\
P_{309} &= (4, 5, 3, 1) = (\alpha^2, \alpha^3, \alpha^5, 1) \\
P_{310} &= (5, 5, 3, 1) = (\alpha^3, \alpha^3, \alpha^5, 1) \\
P_{311} &= (6, 5, 3, 1) = (\alpha^6, \alpha^3, \alpha^5, 1) \\
P_{312} &= (7, 5, 3, 1) = (\alpha^4, \alpha^3, \alpha^5, 1) \\
P_{313} &= (0, 6, 3, 1) = (0, \alpha^6, \alpha^5, 1) \\
P_{314} &= (1, 6, 3, 1) = (1, \alpha^6, \alpha^5, 1) \\
P_{315} &= (2, 6, 3, 1) = (\alpha, \alpha^6, \alpha^5, 1) \\
P_{316} &= (3, 6, 3, 1) = (\alpha^5, \alpha^6, \alpha^5, 1) \\
P_{317} &= (4, 6, 3, 1) = (\alpha^2, \alpha^6, \alpha^5, 1) \\
P_{318} &= (5, 6, 3, 1) = (\alpha^3, \alpha^6, \alpha^5, 1) \\
P_{319} &= (6, 6, 3, 1) = (\alpha^6, \alpha^6, \alpha^5, 1) \\
P_{320} &= (7, 6, 3, 1) = (\alpha^4, \alpha^6, \alpha^5, 1) \\
P_{321} &= (0, 7, 3, 1) = (0, \alpha^4, \alpha^5, 1) \\
P_{322} &= (1, 7, 3, 1) = (1, \alpha^4, \alpha^5, 1) \\
P_{323} &= (2, 7, 3, 1) = (\alpha, \alpha^4, \alpha^5, 1) \\
P_{324} &= (3, 7, 3, 1) = (\alpha^5, \alpha^4, \alpha^5, 1) \\
P_{325} &= (4, 7, 3, 1) = (\alpha^2, \alpha^4, \alpha^5, 1) \\
P_{326} &= (5, 7, 3, 1) = (\alpha^3, \alpha^4, \alpha^5, 1) \\
P_{327} &= (6, 7, 3, 1) = (\alpha^6, \alpha^4, \alpha^5, 1) \\
P_{328} &= (7, 7, 3, 1) = (\alpha^4, \alpha^4, \alpha^5, 1) \\
P_{329} &= (0, 0, 4, 1) = (0, 0, \alpha^2, 1) \\
P_{330} &= (1, 0, 4, 1) = (1, 0, \alpha^2, 1) \\
P_{331} &= (2, 0, 4, 1) = (\alpha, 0, \alpha^2, 1) \\
P_{332} &= (3, 0, 4, 1) = (\alpha^5, 0, \alpha^2, 1) \\
P_{333} &= (4, 0, 4, 1) = (\alpha^2, 0, \alpha^2, 1) \\
P_{334} &= (5, 0, 4, 1) = (\alpha^3, 0, \alpha^2, 1) \\
P_{335} &= (6, 0, 4, 1) = (\alpha^6, 0, \alpha^2, 1) \\
P_{336} &= (7, 0, 4, 1) = (\alpha^4, 0, \alpha^2, 1) \\
P_{337} &= (0, 1, 4, 1) = (0, 1, \alpha^2, 1) \\
P_{338} &= (1, 1, 4, 1) = (1, 1, \alpha^2, 1) \\
P_{339} &= (2, 1, 4, 1) = (\alpha, 1, \alpha^2, 1) \\
P_{340} &= (3, 1, 4, 1) = (\alpha^5, 1, \alpha^2, 1) \\
P_{341} &= (4, 1, 4, 1) = (\alpha^2, 1, \alpha^2, 1) \\
P_{342} &= (5, 1, 4, 1) = (\alpha^3, 1, \alpha^2, 1) \\
P_{343} &= (6, 1, 4, 1) = (\alpha^6, 1, \alpha^2, 1) \\
P_{344} &= (7, 1, 4, 1) = (\alpha^4, 1, \alpha^2, 1) \\
P_{345} &= (0, 2, 4, 1) = (0, \alpha, \alpha^2, 1) \\
P_{346} &= (1, 2, 4, 1) = (1, \alpha, \alpha^2, 1) \\
P_{347} &= (2, 2, 4, 1) = (\alpha, \alpha, \alpha^2, 1) \\
P_{348} &= (3, 2, 4, 1) = (\alpha^5, \alpha, \alpha^2, 1)
\end{aligned}$$

$$\begin{aligned}
P_{349} &= (4, 2, 4, 1) = (\alpha^2, \alpha, \alpha^2, 1) \\
P_{350} &= (5, 2, 4, 1) = (\alpha^3, \alpha, \alpha^2, 1) \\
P_{351} &= (6, 2, 4, 1) = (\alpha^6, \alpha, \alpha^2, 1) \\
P_{352} &= (7, 2, 4, 1) = (\alpha^4, \alpha, \alpha^2, 1) \\
P_{353} &= (0, 3, 4, 1) = (0, \alpha^5, \alpha^2, 1) \\
P_{354} &= (1, 3, 4, 1) = (1, \alpha^5, \alpha^2, 1) \\
P_{355} &= (2, 3, 4, 1) = (\alpha, \alpha^5, \alpha^2, 1) \\
P_{356} &= (3, 3, 4, 1) = (\alpha^5, \alpha^5, \alpha^2, 1) \\
P_{357} &= (4, 3, 4, 1) = (\alpha^2, \alpha^5, \alpha^2, 1) \\
P_{358} &= (5, 3, 4, 1) = (\alpha^3, \alpha^5, \alpha^2, 1) \\
P_{359} &= (6, 3, 4, 1) = (\alpha^6, \alpha^5, \alpha^2, 1) \\
P_{360} &= (7, 3, 4, 1) = (\alpha^4, \alpha^5, \alpha^2, 1) \\
P_{361} &= (0, 4, 4, 1) = (0, \alpha^2, \alpha^2, 1) \\
P_{362} &= (1, 4, 4, 1) = (1, \alpha^2, \alpha^2, 1) \\
P_{363} &= (2, 4, 4, 1) = (\alpha, \alpha^2, \alpha^2, 1) \\
P_{364} &= (3, 4, 4, 1) = (\alpha^5, \alpha^2, \alpha^2, 1) \\
P_{365} &= (4, 4, 4, 1) = (\alpha^2, \alpha^2, \alpha^2, 1) \\
P_{366} &= (5, 4, 4, 1) = (\alpha^3, \alpha^2, \alpha^2, 1) \\
P_{367} &= (6, 4, 4, 1) = (\alpha^6, \alpha^2, \alpha^2, 1) \\
P_{368} &= (7, 4, 4, 1) = (\alpha^4, \alpha^2, \alpha^2, 1) \\
P_{369} &= (0, 5, 4, 1) = (0, \alpha^3, \alpha^2, 1) \\
P_{370} &= (1, 5, 4, 1) = (1, \alpha^3, \alpha^2, 1) \\
P_{371} &= (2, 5, 4, 1) = (\alpha, \alpha^3, \alpha^2, 1) \\
P_{372} &= (3, 5, 4, 1) = (\alpha^5, \alpha^3, \alpha^2, 1) \\
P_{373} &= (4, 5, 4, 1) = (\alpha^2, \alpha^3, \alpha^2, 1) \\
P_{374} &= (5, 5, 4, 1) = (\alpha^3, \alpha^3, \alpha^2, 1) \\
P_{375} &= (6, 5, 4, 1) = (\alpha^6, \alpha^3, \alpha^2, 1) \\
P_{376} &= (7, 5, 4, 1) = (\alpha^4, \alpha^3, \alpha^2, 1) \\
P_{377} &= (0, 6, 4, 1) = (0, \alpha^6, \alpha^2, 1) \\
P_{378} &= (1, 6, 4, 1) = (1, \alpha^6, \alpha^2, 1) \\
P_{379} &= (2, 6, 4, 1) = (\alpha, \alpha^6, \alpha^2, 1) \\
P_{380} &= (3, 6, 4, 1) = (\alpha^5, \alpha^6, \alpha^2, 1) \\
P_{381} &= (4, 6, 4, 1) = (\alpha^2, \alpha^6, \alpha^2, 1) \\
P_{382} &= (5, 6, 4, 1) = (\alpha^3, \alpha^6, \alpha^2, 1) \\
P_{383} &= (6, 6, 4, 1) = (\alpha^6, \alpha^6, \alpha^2, 1) \\
P_{384} &= (7, 6, 4, 1) = (\alpha^4, \alpha^6, \alpha^2, 1) \\
P_{385} &= (0, 7, 4, 1) = (0, \alpha^4, \alpha^2, 1) \\
P_{386} &= (1, 7, 4, 1) = (1, \alpha^4, \alpha^2, 1) \\
P_{387} &= (2, 7, 4, 1) = (\alpha, \alpha^4, \alpha^2, 1) \\
P_{388} &= (3, 7, 4, 1) = (\alpha^5, \alpha^4, \alpha^2, 1) \\
P_{389} &= (4, 7, 4, 1) = (\alpha^2, \alpha^4, \alpha^2, 1) \\
P_{390} &= (5, 7, 4, 1) = (\alpha^3, \alpha^4, \alpha^2, 1) \\
P_{391} &= (6, 7, 4, 1) = (\alpha^6, \alpha^4, \alpha^2, 1) \\
P_{392} &= (7, 7, 4, 1) = (\alpha^4, \alpha^4, \alpha^2, 1) \\
P_{393} &= (0, 0, 5, 1) = (0, 0, \alpha^3, 1)
\end{aligned}$$

$$\begin{aligned}
P_{394} &= (1, 0, 5, 1) = (1, 0, \alpha^3, 1) \\
P_{395} &= (2, 0, 5, 1) = (\alpha, 0, \alpha^3, 1) \\
P_{396} &= (3, 0, 5, 1) = (\alpha^5, 0, \alpha^3, 1) \\
P_{397} &= (4, 0, 5, 1) = (\alpha^2, 0, \alpha^3, 1) \\
P_{398} &= (5, 0, 5, 1) = (\alpha^3, 0, \alpha^3, 1) \\
P_{399} &= (6, 0, 5, 1) = (\alpha^6, 0, \alpha^3, 1) \\
P_{400} &= (7, 0, 5, 1) = (\alpha^4, 0, \alpha^3, 1) \\
P_{401} &= (0, 1, 5, 1) = (0, 1, \alpha^3, 1) \\
P_{402} &= (1, 1, 5, 1) = (1, 1, \alpha^3, 1) \\
P_{403} &= (2, 1, 5, 1) = (\alpha, 1, \alpha^3, 1) \\
P_{404} &= (3, 1, 5, 1) = (\alpha^5, 1, \alpha^3, 1) \\
P_{405} &= (4, 1, 5, 1) = (\alpha^2, 1, \alpha^3, 1) \\
P_{406} &= (5, 1, 5, 1) = (\alpha^3, 1, \alpha^3, 1) \\
P_{407} &= (6, 1, 5, 1) = (\alpha^6, 1, \alpha^3, 1) \\
P_{408} &= (7, 1, 5, 1) = (\alpha^4, 1, \alpha^3, 1) \\
P_{409} &= (0, 2, 5, 1) = (0, \alpha, \alpha^3, 1) \\
P_{410} &= (1, 2, 5, 1) = (1, \alpha, \alpha^3, 1) \\
P_{411} &= (2, 2, 5, 1) = (\alpha, \alpha, \alpha^3, 1) \\
P_{412} &= (3, 2, 5, 1) = (\alpha^5, \alpha, \alpha^3, 1) \\
P_{413} &= (4, 2, 5, 1) = (\alpha^2, \alpha, \alpha^3, 1) \\
P_{414} &= (5, 2, 5, 1) = (\alpha^3, \alpha, \alpha^3, 1) \\
P_{415} &= (6, 2, 5, 1) = (\alpha^6, \alpha, \alpha^3, 1) \\
P_{416} &= (7, 2, 5, 1) = (\alpha^4, \alpha, \alpha^3, 1) \\
P_{417} &= (0, 3, 5, 1) = (0, \alpha^5, \alpha^3, 1) \\
P_{418} &= (1, 3, 5, 1) = (1, \alpha^5, \alpha^3, 1) \\
P_{419} &= (2, 3, 5, 1) = (\alpha, \alpha^5, \alpha^3, 1) \\
P_{420} &= (3, 3, 5, 1) = (\alpha^5, \alpha^5, \alpha^3, 1) \\
P_{421} &= (4, 3, 5, 1) = (\alpha^2, \alpha^5, \alpha^3, 1) \\
P_{422} &= (5, 3, 5, 1) = (\alpha^3, \alpha^5, \alpha^3, 1) \\
P_{423} &= (6, 3, 5, 1) = (\alpha^6, \alpha^5, \alpha^3, 1) \\
P_{424} &= (7, 3, 5, 1) = (\alpha^4, \alpha^5, \alpha^3, 1) \\
P_{425} &= (0, 4, 5, 1) = (0, \alpha^2, \alpha^3, 1) \\
P_{426} &= (1, 4, 5, 1) = (1, \alpha^2, \alpha^3, 1) \\
P_{427} &= (2, 4, 5, 1) = (\alpha, \alpha^2, \alpha^3, 1) \\
P_{428} &= (3, 4, 5, 1) = (\alpha^5, \alpha^2, \alpha^3, 1) \\
P_{429} &= (4, 4, 5, 1) = (\alpha^2, \alpha^2, \alpha^3, 1) \\
P_{430} &= (5, 4, 5, 1) = (\alpha^3, \alpha^2, \alpha^3, 1) \\
P_{431} &= (6, 4, 5, 1) = (\alpha^6, \alpha^2, \alpha^3, 1) \\
P_{432} &= (7, 4, 5, 1) = (\alpha^4, \alpha^2, \alpha^3, 1) \\
P_{433} &= (0, 5, 5, 1) = (0, \alpha^3, \alpha^3, 1) \\
P_{434} &= (1, 5, 5, 1) = (1, \alpha^3, \alpha^3, 1) \\
P_{435} &= (2, 5, 5, 1) = (\alpha, \alpha^3, \alpha^3, 1) \\
P_{436} &= (3, 5, 5, 1) = (\alpha^5, \alpha^3, \alpha^3, 1) \\
P_{437} &= (4, 5, 5, 1) = (\alpha^2, \alpha^3, \alpha^3, 1) \\
P_{438} &= (5, 5, 5, 1) = (\alpha^3, \alpha^3, \alpha^3, 1)
\end{aligned}$$

$$\begin{aligned}
P_{439} &= (6, 5, 5, 1) = (\alpha^6, \alpha^3, \alpha^3, 1) \\
P_{440} &= (7, 5, 5, 1) = (\alpha^4, \alpha^3, \alpha^3, 1) \\
P_{441} &= (0, 6, 5, 1) = (0, \alpha^6, \alpha^3, 1) \\
P_{442} &= (1, 6, 5, 1) = (1, \alpha^6, \alpha^3, 1) \\
P_{443} &= (2, 6, 5, 1) = (\alpha, \alpha^6, \alpha^3, 1) \\
P_{444} &= (3, 6, 5, 1) = (\alpha^5, \alpha^6, \alpha^3, 1) \\
P_{445} &= (4, 6, 5, 1) = (\alpha^2, \alpha^6, \alpha^3, 1) \\
P_{446} &= (5, 6, 5, 1) = (\alpha^3, \alpha^6, \alpha^3, 1) \\
P_{447} &= (6, 6, 5, 1) = (\alpha^6, \alpha^6, \alpha^3, 1) \\
P_{448} &= (7, 6, 5, 1) = (\alpha^4, \alpha^6, \alpha^3, 1) \\
P_{449} &= (0, 7, 5, 1) = (0, \alpha^4, \alpha^3, 1) \\
P_{450} &= (1, 7, 5, 1) = (1, \alpha^4, \alpha^3, 1) \\
P_{451} &= (2, 7, 5, 1) = (\alpha, \alpha^4, \alpha^3, 1) \\
P_{452} &= (3, 7, 5, 1) = (\alpha^5, \alpha^4, \alpha^3, 1) \\
P_{453} &= (4, 7, 5, 1) = (\alpha^2, \alpha^4, \alpha^3, 1) \\
P_{454} &= (5, 7, 5, 1) = (\alpha^3, \alpha^4, \alpha^3, 1) \\
P_{455} &= (6, 7, 5, 1) = (\alpha^6, \alpha^4, \alpha^3, 1) \\
P_{456} &= (7, 7, 5, 1) = (\alpha^4, \alpha^4, \alpha^3, 1) \\
P_{457} &= (0, 0, 6, 1) = (0, 0, \alpha^6, 1) \\
P_{458} &= (1, 0, 6, 1) = (1, 0, \alpha^6, 1) \\
P_{459} &= (2, 0, 6, 1) = (\alpha, 0, \alpha^6, 1) \\
P_{460} &= (3, 0, 6, 1) = (\alpha^5, 0, \alpha^6, 1) \\
P_{461} &= (4, 0, 6, 1) = (\alpha^2, 0, \alpha^6, 1) \\
P_{462} &= (5, 0, 6, 1) = (\alpha^3, 0, \alpha^6, 1) \\
P_{463} &= (6, 0, 6, 1) = (\alpha^6, 0, \alpha^6, 1) \\
P_{464} &= (7, 0, 6, 1) = (\alpha^4, 0, \alpha^6, 1) \\
P_{465} &= (0, 1, 6, 1) = (0, 1, \alpha^6, 1) \\
P_{466} &= (1, 1, 6, 1) = (1, 1, \alpha^6, 1) \\
P_{467} &= (2, 1, 6, 1) = (\alpha, 1, \alpha^6, 1) \\
P_{468} &= (3, 1, 6, 1) = (\alpha^5, 1, \alpha^6, 1) \\
P_{469} &= (4, 1, 6, 1) = (\alpha^2, 1, \alpha^6, 1) \\
P_{470} &= (5, 1, 6, 1) = (\alpha^3, 1, \alpha^6, 1) \\
P_{471} &= (6, 1, 6, 1) = (\alpha^6, 1, \alpha^6, 1) \\
P_{472} &= (7, 1, 6, 1) = (\alpha^4, 1, \alpha^6, 1) \\
P_{473} &= (0, 2, 6, 1) = (0, \alpha, \alpha^6, 1) \\
P_{474} &= (1, 2, 6, 1) = (1, \alpha, \alpha^6, 1) \\
P_{475} &= (2, 2, 6, 1) = (\alpha, \alpha, \alpha^6, 1) \\
P_{476} &= (3, 2, 6, 1) = (\alpha^5, \alpha, \alpha^6, 1) \\
P_{477} &= (4, 2, 6, 1) = (\alpha^2, \alpha, \alpha^6, 1) \\
P_{478} &= (5, 2, 6, 1) = (\alpha^3, \alpha, \alpha^6, 1) \\
P_{479} &= (6, 2, 6, 1) = (\alpha^6, \alpha, \alpha^6, 1) \\
P_{480} &= (7, 2, 6, 1) = (\alpha^4, \alpha, \alpha^6, 1) \\
P_{481} &= (0, 3, 6, 1) = (0, \alpha^5, \alpha^6, 1) \\
P_{482} &= (1, 3, 6, 1) = (1, \alpha^5, \alpha^6, 1) \\
P_{483} &= (2, 3, 6, 1) = (\alpha, \alpha^5, \alpha^6, 1)
\end{aligned}$$

$$\begin{aligned}
P_{484} &= (3, 3, 6, 1) = (\alpha^5, \alpha^5, \alpha^6, 1) \\
P_{485} &= (4, 3, 6, 1) = (\alpha^2, \alpha^5, \alpha^6, 1) \\
P_{486} &= (5, 3, 6, 1) = (\alpha^3, \alpha^5, \alpha^6, 1) \\
P_{487} &= (6, 3, 6, 1) = (\alpha^6, \alpha^5, \alpha^6, 1) \\
P_{488} &= (7, 3, 6, 1) = (\alpha^4, \alpha^5, \alpha^6, 1) \\
P_{489} &= (0, 4, 6, 1) = (0, \alpha^2, \alpha^6, 1) \\
P_{490} &= (1, 4, 6, 1) = (1, \alpha^2, \alpha^6, 1) \\
P_{491} &= (2, 4, 6, 1) = (\alpha, \alpha^2, \alpha^6, 1) \\
P_{492} &= (3, 4, 6, 1) = (\alpha^5, \alpha^2, \alpha^6, 1) \\
P_{493} &= (4, 4, 6, 1) = (\alpha^2, \alpha^2, \alpha^6, 1) \\
P_{494} &= (5, 4, 6, 1) = (\alpha^3, \alpha^2, \alpha^6, 1) \\
P_{495} &= (6, 4, 6, 1) = (\alpha^6, \alpha^2, \alpha^6, 1) \\
P_{496} &= (7, 4, 6, 1) = (\alpha^4, \alpha^2, \alpha^6, 1) \\
P_{497} &= (0, 5, 6, 1) = (0, \alpha^3, \alpha^6, 1) \\
P_{498} &= (1, 5, 6, 1) = (1, \alpha^3, \alpha^6, 1) \\
P_{499} &= (2, 5, 6, 1) = (\alpha, \alpha^3, \alpha^6, 1) \\
P_{500} &= (3, 5, 6, 1) = (\alpha^5, \alpha^3, \alpha^6, 1) \\
P_{501} &= (4, 5, 6, 1) = (\alpha^2, \alpha^3, \alpha^6, 1) \\
P_{502} &= (5, 5, 6, 1) = (\alpha^3, \alpha^3, \alpha^6, 1) \\
P_{503} &= (6, 5, 6, 1) = (\alpha^6, \alpha^3, \alpha^6, 1) \\
P_{504} &= (7, 5, 6, 1) = (\alpha^4, \alpha^3, \alpha^6, 1) \\
P_{505} &= (0, 6, 6, 1) = (0, \alpha^6, \alpha^6, 1) \\
P_{506} &= (1, 6, 6, 1) = (1, \alpha^6, \alpha^6, 1) \\
P_{507} &= (2, 6, 6, 1) = (\alpha, \alpha^6, \alpha^6, 1) \\
P_{508} &= (3, 6, 6, 1) = (\alpha^5, \alpha^6, \alpha^6, 1) \\
P_{509} &= (4, 6, 6, 1) = (\alpha^2, \alpha^6, \alpha^6, 1) \\
P_{510} &= (5, 6, 6, 1) = (\alpha^3, \alpha^6, \alpha^6, 1) \\
P_{511} &= (6, 6, 6, 1) = (\alpha^6, \alpha^6, \alpha^6, 1) \\
P_{512} &= (7, 6, 6, 1) = (\alpha^4, \alpha^6, \alpha^6, 1) \\
P_{513} &= (0, 7, 6, 1) = (0, \alpha^4, \alpha^6, 1) \\
P_{514} &= (1, 7, 6, 1) = (1, \alpha^4, \alpha^6, 1) \\
P_{515} &= (2, 7, 6, 1) = (\alpha, \alpha^4, \alpha^6, 1) \\
P_{516} &= (3, 7, 6, 1) = (\alpha^5, \alpha^4, \alpha^6, 1) \\
P_{517} &= (4, 7, 6, 1) = (\alpha^2, \alpha^4, \alpha^6, 1) \\
P_{518} &= (5, 7, 6, 1) = (\alpha^3, \alpha^4, \alpha^6, 1) \\
P_{519} &= (6, 7, 6, 1) = (\alpha^6, \alpha^4, \alpha^6, 1) \\
P_{520} &= (7, 7, 6, 1) = (\alpha^4, \alpha^4, \alpha^6, 1) \\
P_{521} &= (0, 0, 7, 1) = (0, 0, \alpha^4, 1) \\
P_{522} &= (1, 0, 7, 1) = (1, 0, \alpha^4, 1) \\
P_{523} &= (2, 0, 7, 1) = (\alpha, 0, \alpha^4, 1) \\
P_{524} &= (3, 0, 7, 1) = (\alpha^5, 0, \alpha^4, 1) \\
P_{525} &= (4, 0, 7, 1) = (\alpha^2, 0, \alpha^4, 1) \\
P_{526} &= (5, 0, 7, 1) = (\alpha^3, 0, \alpha^4, 1) \\
P_{527} &= (6, 0, 7, 1) = (\alpha^6, 0, \alpha^4, 1) \\
P_{528} &= (7, 0, 7, 1) = (\alpha^4, 0, \alpha^4, 1)
\end{aligned}$$

$$\begin{aligned}
P_{529} &= (0, 1, 7, 1) = (0, 1, \alpha^4, 1) \\
P_{530} &= (1, 1, 7, 1) = (1, 1, \alpha^4, 1) \\
P_{531} &= (2, 1, 7, 1) = (\alpha, 1, \alpha^4, 1) \\
P_{532} &= (3, 1, 7, 1) = (\alpha^5, 1, \alpha^4, 1) \\
P_{533} &= (4, 1, 7, 1) = (\alpha^2, 1, \alpha^4, 1) \\
P_{534} &= (5, 1, 7, 1) = (\alpha^3, 1, \alpha^4, 1) \\
P_{535} &= (6, 1, 7, 1) = (\alpha^6, 1, \alpha^4, 1) \\
P_{536} &= (7, 1, 7, 1) = (\alpha^4, 1, \alpha^4, 1) \\
P_{537} &= (0, 2, 7, 1) = (0, \alpha, \alpha^4, 1) \\
P_{538} &= (1, 2, 7, 1) = (1, \alpha, \alpha^4, 1) \\
P_{539} &= (2, 2, 7, 1) = (\alpha, \alpha, \alpha^4, 1) \\
P_{540} &= (3, 2, 7, 1) = (\alpha^5, \alpha, \alpha^4, 1) \\
P_{541} &= (4, 2, 7, 1) = (\alpha^2, \alpha, \alpha^4, 1) \\
P_{542} &= (5, 2, 7, 1) = (\alpha^3, \alpha, \alpha^4, 1) \\
P_{543} &= (6, 2, 7, 1) = (\alpha^6, \alpha, \alpha^4, 1) \\
P_{544} &= (7, 2, 7, 1) = (\alpha^4, \alpha, \alpha^4, 1) \\
P_{545} &= (0, 3, 7, 1) = (0, \alpha^5, \alpha^4, 1) \\
P_{546} &= (1, 3, 7, 1) = (1, \alpha^5, \alpha^4, 1) \\
P_{547} &= (2, 3, 7, 1) = (\alpha, \alpha^5, \alpha^4, 1) \\
P_{548} &= (3, 3, 7, 1) = (\alpha^5, \alpha^5, \alpha^4, 1) \\
P_{549} &= (4, 3, 7, 1) = (\alpha^2, \alpha^5, \alpha^4, 1) \\
P_{550} &= (5, 3, 7, 1) = (\alpha^3, \alpha^5, \alpha^4, 1) \\
P_{551} &= (6, 3, 7, 1) = (\alpha^6, \alpha^5, \alpha^4, 1) \\
P_{552} &= (7, 3, 7, 1) = (\alpha^4, \alpha^5, \alpha^4, 1) \\
P_{553} &= (0, 4, 7, 1) = (0, \alpha^2, \alpha^4, 1) \\
P_{554} &= (1, 4, 7, 1) = (1, \alpha^2, \alpha^4, 1) \\
P_{555} &= (2, 4, 7, 1) = (\alpha, \alpha^2, \alpha^4, 1) \\
P_{556} &= (3, 4, 7, 1) = (\alpha^5, \alpha^2, \alpha^4, 1) \\
P_{557} &= (4, 4, 7, 1) = (\alpha^2, \alpha^2, \alpha^4, 1) \\
P_{558} &= (5, 4, 7, 1) = (\alpha^3, \alpha^2, \alpha^4, 1) \\
P_{559} &= (6, 4, 7, 1) = (\alpha^6, \alpha^2, \alpha^4, 1) \\
P_{560} &= (7, 4, 7, 1) = (\alpha^4, \alpha^2, \alpha^4, 1) \\
P_{561} &= (0, 5, 7, 1) = (0, \alpha^3, \alpha^4, 1) \\
P_{562} &= (1, 5, 7, 1) = (1, \alpha^3, \alpha^4, 1) \\
P_{563} &= (2, 5, 7, 1) = (\alpha, \alpha^3, \alpha^4, 1) \\
P_{564} &= (3, 5, 7, 1) = (\alpha^5, \alpha^3, \alpha^4, 1) \\
P_{565} &= (4, 5, 7, 1) = (\alpha^2, \alpha^3, \alpha^4, 1) \\
P_{566} &= (5, 5, 7, 1) = (\alpha^3, \alpha^3, \alpha^4, 1) \\
P_{567} &= (6, 5, 7, 1) = (\alpha^6, \alpha^3, \alpha^4, 1) \\
P_{568} &= (7, 5, 7, 1) = (\alpha^4, \alpha^3, \alpha^4, 1) \\
P_{569} &= (0, 6, 7, 1) = (0, \alpha^6, \alpha^4, 1) \\
P_{570} &= (1, 6, 7, 1) = (1, \alpha^6, \alpha^4, 1) \\
P_{571} &= (2, 6, 7, 1) = (\alpha, \alpha^6, \alpha^4, 1) \\
P_{572} &= (3, 6, 7, 1) = (\alpha^5, \alpha^6, \alpha^4, 1) \\
P_{573} &= (4, 6, 7, 1) = (\alpha^2, \alpha^6, \alpha^4, 1)
\end{aligned}$$

$$\begin{aligned}
P_{574} &= (5, 6, 7, 1) = (\alpha^3, \alpha^6, \alpha^4, 1) \\
P_{575} &= (6, 6, 7, 1) = (\alpha^6, \alpha^6, \alpha^4, 1) \\
P_{576} &= (7, 6, 7, 1) = (\alpha^4, \alpha^6, \alpha^4, 1) \\
P_{577} &= (0, 7, 7, 1) = (0, \alpha^4, \alpha^4, 1) \\
P_{578} &= (1, 7, 7, 1) = (1, \alpha^4, \alpha^4, 1) \\
P_{579} &= (2, 7, 7, 1) = (\alpha, \alpha^4, \alpha^4, 1)
\end{aligned}$$

$$\begin{aligned}
P_{580} &= (3, 7, 7, 1) = (\alpha^5, \alpha^4, \alpha^4, 1) \\
P_{581} &= (4, 7, 7, 1) = (\alpha^2, \alpha^4, \alpha^4, 1) \\
P_{582} &= (5, 7, 7, 1) = (\alpha^3, \alpha^4, \alpha^4, 1) \\
P_{583} &= (6, 7, 7, 1) = (\alpha^6, \alpha^4, \alpha^4, 1) \\
P_{584} &= (7, 7, 7, 1) = (\alpha^4, \alpha^4, \alpha^4, 1)
\end{aligned}$$

Normalized from the left:

$P_0 = (1, 0, 0, 0)$	$P_{35} = (0, 1, 4, 0)$	$P_{70} = (1, 6, 4, 0)$	$P_{105} = (1, 2, 0, 5)$
$P_1 = (0, 1, 0, 0)$	$P_{36} = (1, 3, 1, 0)$	$P_{71} = (1, 4, 3, 0)$	$P_{106} = (0, 1, 0, 3)$
$P_2 = (0, 0, 1, 0)$	$P_{37} = (1, 7, 6, 0)$	$P_{72} = (1, 2, 7, 0)$	$P_{107} = (1, 4, 0, 1)$
$P_3 = (0, 0, 0, 1)$	$P_{38} = (1, 1, 4, 0)$	$P_{73} = (1, 3, 2, 0)$	$P_{108} = (1, 2, 0, 6)$
$P_4 = (1, 1, 1, 1)$	$P_{39} = (1, 5, 3, 0)$	$P_{74} = (1, 1, 5, 0)$	$P_{109} = (1, 7, 0, 4)$
$P_5 = (1, 1, 0, 0)$	$P_{40} = (1, 4, 7, 0)$	$P_{75} = (1, 0, 0, 1)$	$P_{110} = (1, 1, 0, 3)$
$P_6 = (1, 6, 0, 0)$	$P_{41} = (1, 6, 2, 0)$	$P_{76} = (1, 0, 0, 6)$	$P_{111} = (1, 6, 0, 7)$
$P_7 = (1, 4, 0, 0)$	$P_{42} = (1, 2, 5, 0)$	$P_{77} = (1, 0, 0, 4)$	$P_{112} = (1, 5, 0, 2)$
$P_8 = (1, 3, 0, 0)$	$P_{43} = (0, 1, 3, 0)$	$P_{78} = (1, 0, 0, 3)$	$P_{113} = (1, 3, 0, 5)$
$P_9 = (1, 7, 0, 0)$	$P_{44} = (1, 4, 1, 0)$	$P_{79} = (1, 0, 0, 7)$	$P_{114} = (0, 1, 0, 7)$
$P_{10} = (1, 2, 0, 0)$	$P_{45} = (1, 2, 6, 0)$	$P_{80} = (1, 0, 0, 2)$	$P_{115} = (1, 5, 0, 1)$
$P_{11} = (1, 5, 0, 0)$	$P_{46} = (1, 7, 4, 0)$	$P_{81} = (1, 0, 0, 5)$	$P_{116} = (1, 4, 0, 6)$
$P_{12} = (1, 0, 1, 0)$	$P_{47} = (1, 1, 3, 0)$	$P_{82} = (0, 1, 0, 1)$	$P_{117} = (1, 3, 0, 4)$
$P_{13} = (1, 0, 6, 0)$	$P_{48} = (1, 6, 7, 0)$	$P_{83} = (1, 1, 0, 1)$	$P_{118} = (1, 2, 0, 3)$
$P_{14} = (1, 0, 4, 0)$	$P_{49} = (1, 5, 2, 0)$	$P_{84} = (1, 6, 0, 6)$	$P_{119} = (1, 1, 0, 7)$
$P_{15} = (1, 0, 3, 0)$	$P_{50} = (1, 3, 5, 0)$	$P_{85} = (1, 4, 0, 4)$	$P_{120} = (1, 7, 0, 2)$
$P_{16} = (1, 0, 7, 0)$	$P_{51} = (0, 1, 7, 0)$	$P_{86} = (1, 3, 0, 3)$	$P_{121} = (1, 6, 0, 5)$
$P_{17} = (1, 0, 2, 0)$	$P_{52} = (1, 5, 1, 0)$	$P_{87} = (1, 7, 0, 7)$	$P_{122} = (0, 1, 0, 2)$
$P_{18} = (1, 0, 5, 0)$	$P_{53} = (1, 4, 6, 0)$	$P_{88} = (1, 2, 0, 2)$	$P_{123} = (1, 6, 0, 1)$
$P_{19} = (0, 1, 1, 0)$	$P_{54} = (1, 3, 4, 0)$	$P_{89} = (1, 5, 0, 5)$	$P_{124} = (1, 3, 0, 6)$
$P_{20} = (1, 1, 1, 0)$	$P_{55} = (1, 2, 3, 0)$	$P_{90} = (0, 1, 0, 6)$	$P_{125} = (1, 2, 0, 4)$
$P_{21} = (1, 6, 6, 0)$	$P_{56} = (1, 1, 7, 0)$	$P_{91} = (1, 2, 0, 1)$	$P_{126} = (1, 7, 0, 3)$
$P_{22} = (1, 4, 4, 0)$	$P_{57} = (1, 7, 2, 0)$	$P_{92} = (1, 1, 0, 6)$	$P_{127} = (1, 5, 0, 7)$
$P_{23} = (1, 3, 3, 0)$	$P_{58} = (1, 6, 5, 0)$	$P_{93} = (1, 5, 0, 4)$	$P_{128} = (1, 1, 0, 2)$
$P_{24} = (1, 7, 7, 0)$	$P_{59} = (0, 1, 2, 0)$	$P_{94} = (1, 6, 0, 3)$	$P_{129} = (1, 4, 0, 5)$
$P_{25} = (1, 2, 2, 0)$	$P_{60} = (1, 6, 1, 0)$	$P_{95} = (1, 3, 0, 7)$	$P_{130} = (0, 1, 0, 5)$
$P_{26} = (1, 5, 5, 0)$	$P_{61} = (1, 3, 6, 0)$	$P_{96} = (1, 4, 0, 2)$	$P_{131} = (1, 7, 0, 1)$
$P_{27} = (0, 1, 6, 0)$	$P_{62} = (1, 2, 4, 0)$	$P_{97} = (1, 7, 0, 5)$	$P_{132} = (1, 5, 0, 6)$
$P_{28} = (1, 2, 1, 0)$	$P_{63} = (1, 7, 3, 0)$	$P_{98} = (0, 1, 0, 4)$	$P_{133} = (1, 6, 0, 4)$
$P_{29} = (1, 1, 6, 0)$	$P_{64} = (1, 5, 7, 0)$	$P_{99} = (1, 3, 0, 1)$	$P_{134} = (1, 4, 0, 3)$
$P_{30} = (1, 5, 4, 0)$	$P_{65} = (1, 1, 2, 0)$	$P_{100} = (1, 7, 0, 6)$	$P_{135} = (1, 2, 0, 7)$
$P_{31} = (1, 6, 3, 0)$	$P_{66} = (1, 4, 5, 0)$	$P_{101} = (1, 1, 0, 4)$	$P_{136} = (1, 3, 0, 2)$
$P_{32} = (1, 3, 7, 0)$	$P_{67} = (0, 1, 5, 0)$	$P_{102} = (1, 5, 0, 3)$	$P_{137} = (1, 1, 0, 5)$
$P_{33} = (1, 4, 2, 0)$	$P_{68} = (1, 7, 1, 0)$	$P_{103} = (1, 4, 0, 7)$	$P_{138} = (0, 0, 1, 1)$
$P_{34} = (1, 7, 5, 0)$	$P_{69} = (1, 5, 6, 0)$	$P_{104} = (1, 6, 0, 2)$	$P_{139} = (1, 0, 1, 1)$



$P_{140} = (1, 0, 6, 6)$	$P_{185} = (0, 1, 2, 2)$	$P_{230} = (1, 4, 3, 7)$	$P_{275} = (1, 6, 7, 6)$
$P_{141} = (1, 0, 4, 4)$	$P_{186} = (1, 6, 1, 1)$	$P_{231} = (1, 6, 4, 2)$	$P_{276} = (1, 4, 1, 4)$
$P_{142} = (1, 0, 3, 3)$	$P_{187} = (1, 3, 6, 6)$	$P_{232} = (1, 2, 7, 5)$	$P_{277} = (1, 3, 5, 3)$
$P_{143} = (1, 0, 7, 7)$	$P_{188} = (1, 2, 4, 4)$	$P_{233} = (0, 1, 6, 3)$	$P_{278} = (1, 7, 4, 7)$
$P_{144} = (1, 0, 2, 2)$	$P_{189} = (1, 7, 3, 3)$	$P_{234} = (1, 4, 2, 1)$	$P_{279} = (1, 2, 6, 2)$
$P_{145} = (1, 0, 5, 5)$	$P_{190} = (1, 5, 7, 7)$	$P_{235} = (1, 2, 1, 6)$	$P_{280} = (1, 5, 2, 5)$
$P_{146} = (0, 1, 1, 1)$	$P_{191} = (1, 1, 2, 2)$	$P_{236} = (1, 7, 5, 4)$	$P_{281} = (0, 1, 7, 6)$
$P_{147} = (1, 6, 6, 6)$	$P_{192} = (1, 4, 5, 5)$	$P_{237} = (1, 1, 6, 3)$	$P_{282} = (1, 2, 3, 1)$
$P_{148} = (1, 4, 4, 4)$	$P_{193} = (0, 1, 5, 5)$	$P_{238} = (1, 6, 3, 7)$	$P_{283} = (1, 1, 7, 6)$
$P_{149} = (1, 3, 3, 3)$	$P_{194} = (1, 7, 1, 1)$	$P_{239} = (1, 5, 4, 2)$	$P_{284} = (1, 5, 1, 4)$
$P_{150} = (1, 7, 7, 7)$	$P_{195} = (1, 5, 6, 6)$	$P_{240} = (1, 3, 7, 5)$	$P_{285} = (1, 6, 5, 3)$
$P_{151} = (1, 2, 2, 2)$	$P_{196} = (1, 6, 4, 4)$	$P_{241} = (0, 1, 3, 7)$	$P_{286} = (1, 3, 4, 7)$
$P_{152} = (1, 5, 5, 5)$	$P_{197} = (1, 4, 3, 3)$	$P_{242} = (1, 5, 2, 1)$	$P_{287} = (1, 4, 6, 2)$
$P_{153} = (0, 1, 6, 6)$	$P_{198} = (1, 2, 7, 7)$	$P_{243} = (1, 4, 1, 6)$	$P_{288} = (1, 7, 2, 5)$
$P_{154} = (1, 2, 1, 1)$	$P_{199} = (1, 3, 2, 2)$	$P_{244} = (1, 3, 5, 4)$	$P_{289} = (0, 1, 1, 4)$
$P_{155} = (1, 1, 6, 6)$	$P_{200} = (1, 1, 5, 5)$	$P_{245} = (1, 2, 6, 3)$	$P_{290} = (1, 3, 3, 1)$
$P_{156} = (1, 5, 4, 4)$	$P_{201} = (0, 0, 1, 6)$	$P_{246} = (1, 1, 3, 7)$	$P_{291} = (1, 7, 7, 6)$
$P_{157} = (1, 6, 3, 3)$	$P_{202} = (1, 0, 2, 1)$	$P_{247} = (1, 7, 4, 2)$	$P_{292} = (1, 1, 1, 4)$
$P_{158} = (1, 3, 7, 7)$	$P_{203} = (1, 0, 1, 6)$	$P_{248} = (1, 6, 7, 5)$	$P_{293} = (1, 5, 5, 3)$
$P_{159} = (1, 4, 2, 2)$	$P_{204} = (1, 0, 5, 4)$	$P_{249} = (0, 1, 4, 2)$	$P_{294} = (1, 4, 4, 7)$
$P_{160} = (1, 7, 5, 5)$	$P_{205} = (1, 0, 6, 3)$	$P_{250} = (1, 6, 2, 1)$	$P_{295} = (1, 6, 6, 2)$
$P_{161} = (0, 1, 4, 4)$	$P_{206} = (1, 0, 3, 7)$	$P_{251} = (1, 3, 1, 6)$	$P_{296} = (1, 2, 2, 5)$
$P_{162} = (1, 3, 1, 1)$	$P_{207} = (1, 0, 4, 2)$	$P_{252} = (1, 2, 5, 4)$	$P_{297} = (0, 1, 5, 3)$
$P_{163} = (1, 7, 6, 6)$	$P_{208} = (1, 0, 7, 5)$	$P_{253} = (1, 7, 6, 3)$	$P_{298} = (1, 4, 3, 1)$
$P_{164} = (1, 1, 4, 4)$	$P_{209} = (0, 1, 2, 1)$	$P_{254} = (1, 5, 3, 7)$	$P_{299} = (1, 2, 7, 6)$
$P_{165} = (1, 5, 3, 3)$	$P_{210} = (1, 1, 2, 1)$	$P_{255} = (1, 1, 4, 2)$	$P_{300} = (1, 7, 1, 4)$
$P_{166} = (1, 4, 7, 7)$	$P_{211} = (1, 6, 1, 6)$	$P_{256} = (1, 4, 7, 5)$	$P_{301} = (1, 1, 5, 3)$
$P_{167} = (1, 6, 2, 2)$	$P_{212} = (1, 4, 5, 4)$	$P_{257} = (0, 1, 7, 5)$	$P_{302} = (1, 6, 4, 7)$
$P_{168} = (1, 2, 5, 5)$	$P_{213} = (1, 3, 6, 3)$	$P_{258} = (1, 7, 2, 1)$	$P_{303} = (1, 5, 6, 2)$
$P_{169} = (0, 1, 3, 3)$	$P_{214} = (1, 7, 3, 7)$	$P_{259} = (1, 5, 1, 6)$	$P_{304} = (1, 3, 2, 5)$
$P_{170} = (1, 4, 1, 1)$	$P_{215} = (1, 2, 4, 2)$	$P_{260} = (1, 6, 5, 4)$	$P_{305} = (0, 1, 4, 7)$
$P_{171} = (1, 2, 6, 6)$	$P_{216} = (1, 5, 7, 5)$	$P_{261} = (1, 4, 6, 3)$	$P_{306} = (1, 5, 3, 1)$
$P_{172} = (1, 7, 4, 4)$	$P_{217} = (0, 1, 1, 6)$	$P_{262} = (1, 2, 3, 7)$	$P_{307} = (1, 4, 7, 6)$
$P_{173} = (1, 1, 3, 3)$	$P_{218} = (1, 2, 2, 1)$	$P_{263} = (1, 3, 4, 2)$	$P_{308} = (1, 3, 1, 4)$
$P_{174} = (1, 6, 7, 7)$	$P_{219} = (1, 1, 1, 6)$	$P_{264} = (1, 1, 7, 5)$	$P_{309} = (1, 2, 5, 3)$
$P_{175} = (1, 5, 2, 2)$	$P_{220} = (1, 5, 5, 4)$	$P_{265} = (0, 0, 1, 4)$	$P_{310} = (1, 1, 4, 7)$
$P_{176} = (1, 3, 5, 5)$	$P_{221} = (1, 6, 6, 3)$	$P_{266} = (1, 0, 3, 1)$	$P_{311} = (1, 7, 6, 2)$
$P_{177} = (0, 1, 7, 7)$	$P_{222} = (1, 3, 3, 7)$	$P_{267} = (1, 0, 7, 6)$	$P_{312} = (1, 6, 2, 5)$
$P_{178} = (1, 5, 1, 1)$	$P_{223} = (1, 4, 4, 2)$	$P_{268} = (1, 0, 1, 4)$	$P_{313} = (0, 1, 6, 2)$
$P_{179} = (1, 4, 6, 6)$	$P_{224} = (1, 7, 7, 5)$	$P_{269} = (1, 0, 5, 3)$	$P_{314} = (1, 6, 3, 1)$
$P_{180} = (1, 3, 4, 4)$	$P_{225} = (0, 1, 5, 4)$	$P_{270} = (1, 0, 4, 7)$	$P_{315} = (1, 3, 7, 6)$
$P_{181} = (1, 2, 3, 3)$	$P_{226} = (1, 3, 2, 1)$	$P_{271} = (1, 0, 6, 2)$	$P_{316} = (1, 2, 1, 4)$
$P_{182} = (1, 1, 7, 7)$	$P_{227} = (1, 7, 1, 6)$	$P_{272} = (1, 0, 2, 5)$	$P_{317} = (1, 7, 5, 3)$
$P_{183} = (1, 7, 2, 2)$	$P_{228} = (1, 1, 5, 4)$	$P_{273} = (0, 1, 3, 1)$	$P_{318} = (1, 5, 4, 7)$
$P_{184} = (1, 6, 5, 5)$	$P_{229} = (1, 5, 6, 3)$	$P_{274} = (1, 1, 3, 1)$	$P_{319} = (1, 1, 6, 2)$

$P_{320} = (1, 4, 2, 5)$	$P_{365} = (1, 1, 1, 3)$	$P_{410} = (1, 2, 5, 1)$	$P_{455} = (1, 3, 7, 2)$
$P_{321} = (0, 1, 2, 5)$	$P_{366} = (1, 6, 6, 7)$	$P_{411} = (1, 1, 4, 6)$	$P_{456} = (1, 1, 6, 5)$
$P_{322} = (1, 7, 3, 1)$	$P_{367} = (1, 5, 5, 2)$	$P_{412} = (1, 5, 3, 4)$	$P_{457} = (0, 0, 1, 2)$
$P_{323} = (1, 5, 7, 6)$	$P_{368} = (1, 3, 3, 5)$	$P_{413} = (1, 6, 2, 3)$	$P_{458} = (1, 0, 6, 1)$
$P_{324} = (1, 6, 1, 4)$	$P_{369} = (0, 1, 6, 7)$	$P_{414} = (1, 3, 1, 7)$	$P_{459} = (1, 0, 3, 6)$
$P_{325} = (1, 4, 5, 3)$	$P_{370} = (1, 5, 4, 1)$	$P_{415} = (1, 4, 7, 2)$	$P_{460} = (1, 0, 2, 4)$
$P_{326} = (1, 2, 4, 7)$	$P_{371} = (1, 4, 2, 6)$	$P_{416} = (1, 7, 6, 5)$	$P_{461} = (1, 0, 7, 3)$
$P_{327} = (1, 3, 6, 2)$	$P_{372} = (1, 3, 7, 4)$	$P_{417} = (0, 1, 3, 4)$	$P_{462} = (1, 0, 5, 7)$
$P_{328} = (1, 1, 2, 5)$	$P_{373} = (1, 2, 1, 3)$	$P_{418} = (1, 3, 5, 1)$	$P_{463} = (1, 0, 1, 2)$
$P_{329} = (0, 0, 1, 3)$	$P_{374} = (1, 1, 6, 7)$	$P_{419} = (1, 7, 4, 6)$	$P_{464} = (1, 0, 4, 5)$
$P_{330} = (1, 0, 4, 1)$	$P_{375} = (1, 7, 5, 2)$	$P_{420} = (1, 1, 3, 4)$	$P_{465} = (0, 1, 6, 1)$
$P_{331} = (1, 0, 2, 6)$	$P_{376} = (1, 6, 3, 5)$	$P_{421} = (1, 5, 2, 3)$	$P_{466} = (1, 1, 6, 1)$
$P_{332} = (1, 0, 7, 4)$	$P_{377} = (0, 1, 5, 2)$	$P_{422} = (1, 4, 1, 7)$	$P_{467} = (1, 6, 3, 6)$
$P_{333} = (1, 0, 1, 3)$	$P_{378} = (1, 6, 4, 1)$	$P_{423} = (1, 6, 7, 2)$	$P_{468} = (1, 4, 2, 4)$
$P_{334} = (1, 0, 6, 7)$	$P_{379} = (1, 3, 2, 6)$	$P_{424} = (1, 2, 6, 5)$	$P_{469} = (1, 3, 7, 3)$
$P_{335} = (1, 0, 5, 2)$	$P_{380} = (1, 2, 7, 4)$	$P_{425} = (0, 1, 2, 3)$	$P_{470} = (1, 7, 5, 7)$
$P_{336} = (1, 0, 3, 5)$	$P_{381} = (1, 7, 1, 3)$	$P_{426} = (1, 4, 5, 1)$	$P_{471} = (1, 2, 1, 2)$
$P_{337} = (0, 1, 4, 1)$	$P_{382} = (1, 5, 6, 7)$	$P_{427} = (1, 2, 4, 6)$	$P_{472} = (1, 5, 4, 5)$
$P_{338} = (1, 1, 4, 1)$	$P_{383} = (1, 1, 5, 2)$	$P_{428} = (1, 7, 3, 4)$	$P_{473} = (0, 1, 3, 6)$
$P_{339} = (1, 6, 2, 6)$	$P_{384} = (1, 4, 3, 5)$	$P_{429} = (1, 1, 2, 3)$	$P_{474} = (1, 2, 6, 1)$
$P_{340} = (1, 4, 7, 4)$	$P_{385} = (0, 1, 3, 5)$	$P_{430} = (1, 6, 1, 7)$	$P_{475} = (1, 1, 3, 6)$
$P_{341} = (1, 3, 1, 3)$	$P_{386} = (1, 7, 4, 1)$	$P_{431} = (1, 5, 7, 2)$	$P_{476} = (1, 5, 2, 4)$
$P_{342} = (1, 7, 6, 7)$	$P_{387} = (1, 5, 2, 6)$	$P_{432} = (1, 3, 6, 5)$	$P_{477} = (1, 6, 7, 3)$
$P_{343} = (1, 2, 5, 2)$	$P_{388} = (1, 6, 7, 4)$	$P_{433} = (0, 1, 1, 7)$	$P_{478} = (1, 3, 5, 7)$
$P_{344} = (1, 5, 3, 5)$	$P_{389} = (1, 4, 1, 3)$	$P_{434} = (1, 5, 5, 1)$	$P_{479} = (1, 4, 1, 2)$
$P_{345} = (0, 1, 2, 6)$	$P_{390} = (1, 2, 6, 7)$	$P_{435} = (1, 4, 4, 6)$	$P_{480} = (1, 7, 4, 5)$
$P_{346} = (1, 2, 4, 1)$	$P_{391} = (1, 3, 5, 2)$	$P_{436} = (1, 3, 3, 4)$	$P_{481} = (0, 1, 2, 4)$
$P_{347} = (1, 1, 2, 6)$	$P_{392} = (1, 1, 3, 5)$	$P_{437} = (1, 2, 2, 3)$	$P_{482} = (1, 3, 6, 1)$
$P_{348} = (1, 5, 7, 4)$	$P_{393} = (0, 0, 1, 7)$	$P_{438} = (1, 1, 1, 7)$	$P_{483} = (1, 7, 3, 6)$
$P_{349} = (1, 6, 1, 3)$	$P_{394} = (1, 0, 5, 1)$	$P_{439} = (1, 7, 7, 2)$	$P_{484} = (1, 1, 2, 4)$
$P_{350} = (1, 3, 6, 7)$	$P_{395} = (1, 0, 4, 6)$	$P_{440} = (1, 6, 6, 5)$	$P_{485} = (1, 5, 7, 3)$
$P_{351} = (1, 4, 5, 2)$	$P_{396} = (1, 0, 3, 4)$	$P_{441} = (0, 1, 7, 2)$	$P_{486} = (1, 4, 5, 7)$
$P_{352} = (1, 7, 3, 5)$	$P_{397} = (1, 0, 2, 3)$	$P_{442} = (1, 6, 5, 1)$	$P_{487} = (1, 6, 1, 2)$
$P_{353} = (0, 1, 7, 4)$	$P_{398} = (1, 0, 1, 7)$	$P_{443} = (1, 3, 4, 6)$	$P_{488} = (1, 2, 4, 5)$
$P_{354} = (1, 3, 4, 1)$	$P_{399} = (1, 0, 7, 2)$	$P_{444} = (1, 2, 3, 4)$	$P_{489} = (0, 1, 7, 3)$
$P_{355} = (1, 7, 2, 6)$	$P_{400} = (1, 0, 6, 5)$	$P_{445} = (1, 7, 2, 3)$	$P_{490} = (1, 4, 6, 1)$
$P_{356} = (1, 1, 7, 4)$	$P_{401} = (0, 1, 5, 1)$	$P_{446} = (1, 5, 1, 7)$	$P_{491} = (1, 2, 3, 6)$
$P_{357} = (1, 5, 1, 3)$	$P_{402} = (1, 1, 5, 1)$	$P_{447} = (1, 1, 7, 2)$	$P_{492} = (1, 7, 2, 4)$
$P_{358} = (1, 4, 6, 7)$	$P_{403} = (1, 6, 4, 6)$	$P_{448} = (1, 4, 6, 5)$	$P_{493} = (1, 1, 7, 3)$
$P_{359} = (1, 6, 5, 2)$	$P_{404} = (1, 4, 3, 4)$	$P_{449} = (0, 1, 6, 5)$	$P_{494} = (1, 6, 5, 7)$
$P_{360} = (1, 2, 3, 5)$	$P_{405} = (1, 3, 2, 3)$	$P_{450} = (1, 7, 5, 1)$	$P_{495} = (1, 5, 1, 2)$
$P_{361} = (0, 1, 1, 3)$	$P_{406} = (1, 7, 1, 7)$	$P_{451} = (1, 5, 4, 6)$	$P_{496} = (1, 3, 4, 5)$
$P_{362} = (1, 4, 4, 1)$	$P_{407} = (1, 2, 7, 2)$	$P_{452} = (1, 6, 3, 4)$	$P_{497} = (0, 1, 5, 7)$
$P_{363} = (1, 2, 2, 6)$	$P_{408} = (1, 5, 6, 5)$	$P_{453} = (1, 4, 2, 3)$	$P_{498} = (1, 5, 6, 1)$
$P_{364} = (1, 7, 7, 4)$	$P_{409} = (0, 1, 4, 6)$	$P_{454} = (1, 2, 1, 7)$	$P_{499} = (1, 4, 3, 6)$

$P_{500} = (1, 3, 2, 4)$	$P_{522} = (1, 0, 7, 1)$	$P_{544} = (1, 7, 1, 5)$	$P_{566} = (1, 1, 2, 7)$
$P_{501} = (1, 2, 7, 3)$	$P_{523} = (1, 0, 5, 6)$	$P_{545} = (0, 1, 6, 4)$	$P_{567} = (1, 7, 3, 2)$
$P_{502} = (1, 1, 5, 7)$	$P_{524} = (1, 0, 6, 4)$	$P_{546} = (1, 3, 7, 1)$	$P_{568} = (1, 6, 1, 5)$
$P_{503} = (1, 7, 1, 2)$	$P_{525} = (1, 0, 4, 3)$	$P_{547} = (1, 7, 5, 6)$	$P_{569} = (0, 1, 3, 2)$
$P_{504} = (1, 6, 4, 5)$	$P_{526} = (1, 0, 2, 7)$	$P_{548} = (1, 1, 6, 4)$	$P_{570} = (1, 6, 7, 1)$
$P_{505} = (0, 1, 1, 2)$	$P_{527} = (1, 0, 3, 2)$	$P_{549} = (1, 5, 4, 3)$	$P_{571} = (1, 3, 5, 6)$
$P_{506} = (1, 6, 6, 1)$	$P_{528} = (1, 0, 1, 5)$	$P_{550} = (1, 4, 2, 7)$	$P_{572} = (1, 2, 6, 4)$
$P_{507} = (1, 3, 3, 6)$	$P_{529} = (0, 1, 7, 1)$	$P_{551} = (1, 6, 3, 2)$	$P_{573} = (1, 7, 4, 3)$
$P_{508} = (1, 2, 2, 4)$	$P_{530} = (1, 1, 7, 1)$	$P_{552} = (1, 2, 1, 5)$	$P_{574} = (1, 5, 2, 7)$
$P_{509} = (1, 7, 7, 3)$	$P_{531} = (1, 6, 5, 6)$	$P_{553} = (0, 1, 4, 3)$	$P_{575} = (1, 1, 3, 2)$
$P_{510} = (1, 5, 5, 7)$	$P_{532} = (1, 4, 6, 4)$	$P_{554} = (1, 4, 7, 1)$	$P_{576} = (1, 4, 1, 5)$
$P_{511} = (1, 1, 1, 2)$	$P_{533} = (1, 3, 4, 3)$	$P_{555} = (1, 2, 5, 6)$	$P_{577} = (0, 1, 1, 5)$
$P_{512} = (1, 4, 4, 5)$	$P_{534} = (1, 7, 2, 7)$	$P_{556} = (1, 7, 6, 4)$	$P_{578} = (1, 7, 7, 1)$
$P_{513} = (0, 1, 4, 5)$	$P_{535} = (1, 2, 3, 2)$	$P_{557} = (1, 1, 4, 3)$	$P_{579} = (1, 5, 5, 6)$
$P_{514} = (1, 7, 6, 1)$	$P_{536} = (1, 5, 1, 5)$	$P_{558} = (1, 6, 2, 7)$	$P_{580} = (1, 6, 6, 4)$
$P_{515} = (1, 5, 3, 6)$	$P_{537} = (0, 1, 5, 6)$	$P_{559} = (1, 5, 3, 2)$	$P_{581} = (1, 4, 4, 3)$
$P_{516} = (1, 6, 2, 4)$	$P_{538} = (1, 2, 7, 1)$	$P_{560} = (1, 3, 1, 5)$	$P_{582} = (1, 2, 2, 7)$
$P_{517} = (1, 4, 7, 3)$	$P_{539} = (1, 1, 5, 6)$	$P_{561} = (0, 1, 2, 7)$	$P_{583} = (1, 3, 3, 2)$
$P_{518} = (1, 2, 5, 7)$	$P_{540} = (1, 5, 6, 4)$	$P_{562} = (1, 5, 7, 1)$	$P_{584} = (1, 1, 1, 5)$
$P_{519} = (1, 3, 1, 2)$	$P_{541} = (1, 6, 4, 3)$	$P_{563} = (1, 4, 5, 6)$	
$P_{520} = (1, 1, 4, 5)$	$P_{542} = (1, 3, 2, 7)$	$P_{564} = (1, 3, 6, 4)$	
$P_{521} = (0, 0, 1, 5)$	$P_{543} = (1, 4, 3, 2)$	$P_{565} = (1, 2, 4, 3)$	

## The lines of $\text{PG}(3, 8)$

$\text{PG}(3, 8)$  has 4745 1-subspaces:

$$\begin{aligned}
L_0 &= \begin{bmatrix} 1000 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 0, 0, 0, 0) \\
L_1 &= \begin{bmatrix} 1000 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 0, 0, 0, 0) \\
L_2 &= \begin{bmatrix} 1000 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 0, 0, 0, 0) \\
L_3 &= \begin{bmatrix} 1000 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 0, 0, 0, 0) \\
L_4 &= \begin{bmatrix} 1000 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 0, 0, 0, 0) \\
L_5 &= \begin{bmatrix} 1000 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 0, 0, 0, 0) \\
L_6 &= \begin{bmatrix} 1000 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 0, 0, 0, 0) \\
L_7 &= \begin{bmatrix} 1000 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 0, 0, 0, 0) \\
L_8 &= \begin{bmatrix} 1000 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 0, 1, 0, 0) \\
L_9 &= \begin{bmatrix} 1000 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 0, 1, 0, 0) \\
L_{10} &= \begin{bmatrix} 1000 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 0, 1, 0, 0) \\
L_{11} &= \begin{bmatrix} 1000 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 0, 1, 0, 0) \\
L_{12} &= \begin{bmatrix} 1000 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 0, 1, 0, 0) \\
L_{13} &= \begin{bmatrix} 1000 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 0, 1, 0, 0) \\
L_{14} &= \begin{bmatrix} 1000 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 0, 1, 0, 0) \\
L_{15} &= \begin{bmatrix} 1000 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 0, 1, 0, 0) \\
L_{16} &= \begin{bmatrix} 1000 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 0, 2, 0, 0) \\
L_{17} &= \begin{bmatrix} 1000 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 0, 2, 0, 0) \\
L_{18} &= \begin{bmatrix} 1000 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 0, 2, 0, 0) \\
L_{19} &= \begin{bmatrix} 1000 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 0, 2, 0, 0)
\end{aligned}$$

$$\begin{aligned}
L_{20} &= \begin{bmatrix} 1000 \\ 0142 \end{bmatrix} = \mathbf{PI}(1, 0, 4, 0, 2, 0) \\
L_{21} &= \begin{bmatrix} 1000 \\ 0152 \end{bmatrix} = \mathbf{PI}(1, 0, 5, 0, 2, 0) \\
L_{22} &= \begin{bmatrix} 1000 \\ 0162 \end{bmatrix} = \mathbf{PI}(1, 0, 6, 0, 2, 0) \\
L_{23} &= \begin{bmatrix} 1000 \\ 0172 \end{bmatrix} = \mathbf{PI}(1, 0, 7, 0, 2, 0) \\
L_{24} &= \begin{bmatrix} 1000 \\ 0103 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 0, 3, 0) \\
L_{25} &= \begin{bmatrix} 1000 \\ 0113 \end{bmatrix} = \mathbf{PI}(1, 0, 1, 0, 3, 0) \\
L_{26} &= \begin{bmatrix} 1000 \\ 0123 \end{bmatrix} = \mathbf{PI}(1, 0, 2, 0, 3, 0) \\
L_{27} &= \begin{bmatrix} 1000 \\ 0133 \end{bmatrix} = \mathbf{PI}(1, 0, 3, 0, 3, 0) \\
L_{28} &= \begin{bmatrix} 1000 \\ 0143 \end{bmatrix} = \mathbf{PI}(1, 0, 4, 0, 3, 0) \\
L_{29} &= \begin{bmatrix} 1000 \\ 0153 \end{bmatrix} = \mathbf{PI}(1, 0, 5, 0, 3, 0) \\
L_{30} &= \begin{bmatrix} 1000 \\ 0163 \end{bmatrix} = \mathbf{PI}(1, 0, 6, 0, 3, 0) \\
L_{31} &= \begin{bmatrix} 1000 \\ 0173 \end{bmatrix} = \mathbf{PI}(1, 0, 7, 0, 3, 0) \\
L_{32} &= \begin{bmatrix} 1000 \\ 0104 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 0, 4, 0) \\
L_{33} &= \begin{bmatrix} 1000 \\ 0114 \end{bmatrix} = \mathbf{PI}(1, 0, 1, 0, 4, 0) \\
L_{34} &= \begin{bmatrix} 1000 \\ 0124 \end{bmatrix} = \mathbf{PI}(1, 0, 2, 0, 4, 0) \\
L_{35} &= \begin{bmatrix} 1000 \\ 0134 \end{bmatrix} = \mathbf{PI}(1, 0, 3, 0, 4, 0) \\
L_{36} &= \begin{bmatrix} 1000 \\ 0144 \end{bmatrix} = \mathbf{PI}(1, 0, 4, 0, 4, 0) \\
L_{37} &= \begin{bmatrix} 1000 \\ 0154 \end{bmatrix} = \mathbf{PI}(1, 0, 5, 0, 4, 0) \\
L_{38} &= \begin{bmatrix} 1000 \\ 0164 \end{bmatrix} = \mathbf{PI}(1, 0, 6, 0, 4, 0) \\
L_{39} &= \begin{bmatrix} 1000 \\ 0174 \end{bmatrix} = \mathbf{PI}(1, 0, 7, 0, 4, 0) \\
L_{40} &= \begin{bmatrix} 1000 \\ 0105 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 0, 5, 0)
\end{aligned}$$

$$\begin{aligned}
L_{41} &= \begin{bmatrix} 1000 \\ 0115 \end{bmatrix} = \mathbf{PI}(1, 0, 1, 0, 5, 0) \\
L_{42} &= \begin{bmatrix} 1000 \\ 0125 \end{bmatrix} = \mathbf{PI}(1, 0, 2, 0, 5, 0) \\
L_{43} &= \begin{bmatrix} 1000 \\ 0135 \end{bmatrix} = \mathbf{PI}(1, 0, 3, 0, 5, 0) \\
L_{44} &= \begin{bmatrix} 1000 \\ 0145 \end{bmatrix} = \mathbf{PI}(1, 0, 4, 0, 5, 0) \\
L_{45} &= \begin{bmatrix} 1000 \\ 0155 \end{bmatrix} = \mathbf{PI}(1, 0, 5, 0, 5, 0) \\
L_{46} &= \begin{bmatrix} 1000 \\ 0165 \end{bmatrix} = \mathbf{PI}(1, 0, 6, 0, 5, 0) \\
L_{47} &= \begin{bmatrix} 1000 \\ 0175 \end{bmatrix} = \mathbf{PI}(1, 0, 7, 0, 5, 0) \\
L_{48} &= \begin{bmatrix} 1000 \\ 0106 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 0, 6, 0) \\
L_{49} &= \begin{bmatrix} 1000 \\ 0116 \end{bmatrix} = \mathbf{PI}(1, 0, 1, 0, 6, 0) \\
L_{50} &= \begin{bmatrix} 1000 \\ 0126 \end{bmatrix} = \mathbf{PI}(1, 0, 2, 0, 6, 0) \\
L_{51} &= \begin{bmatrix} 1000 \\ 0136 \end{bmatrix} = \mathbf{PI}(1, 0, 3, 0, 6, 0) \\
L_{52} &= \begin{bmatrix} 1000 \\ 0146 \end{bmatrix} = \mathbf{PI}(1, 0, 4, 0, 6, 0) \\
L_{53} &= \begin{bmatrix} 1000 \\ 0156 \end{bmatrix} = \mathbf{PI}(1, 0, 5, 0, 6, 0) \\
L_{54} &= \begin{bmatrix} 1000 \\ 0166 \end{bmatrix} = \mathbf{PI}(1, 0, 6, 0, 6, 0) \\
L_{55} &= \begin{bmatrix} 1000 \\ 0176 \end{bmatrix} = \mathbf{PI}(1, 0, 7, 0, 6, 0) \\
L_{56} &= \begin{bmatrix} 1000 \\ 0107 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 0, 7, 0) \\
L_{57} &= \begin{bmatrix} 1000 \\ 0117 \end{bmatrix} = \mathbf{PI}(1, 0, 1, 0, 7, 0) \\
L_{58} &= \begin{bmatrix} 1000 \\ 0127 \end{bmatrix} = \mathbf{PI}(1, 0, 2, 0, 7, 0) \\
L_{59} &= \begin{bmatrix} 1000 \\ 0137 \end{bmatrix} = \mathbf{PI}(1, 0, 3, 0, 7, 0) \\
L_{60} &= \begin{bmatrix} 1000 \\ 0147 \end{bmatrix} = \mathbf{PI}(1, 0, 4, 0, 7, 0) \\
L_{61} &= \begin{bmatrix} 1000 \\ 0157 \end{bmatrix} = \mathbf{PI}(1, 0, 5, 0, 7, 0)
\end{aligned}$$

$$\begin{aligned}
L_{62} &= \begin{bmatrix} 1000 \\ 0167 \end{bmatrix} = \mathbf{PI}(1, 0, 6, 0, 7, 0) \\
L_{63} &= \begin{bmatrix} 1000 \\ 0177 \end{bmatrix} = \mathbf{PI}(1, 0, 7, 0, 7, 0) \\
L_{64} &= \begin{bmatrix} 1000 \\ 0010 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 0, 0, 0) \\
L_{65} &= \begin{bmatrix} 1000 \\ 0011 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 0, 1, 0) \\
L_{66} &= \begin{bmatrix} 1000 \\ 0012 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 0, 2, 0) \\
L_{67} &= \begin{bmatrix} 1000 \\ 0013 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 0, 3, 0) \\
L_{68} &= \begin{bmatrix} 1000 \\ 0014 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 0, 4, 0) \\
L_{69} &= \begin{bmatrix} 1000 \\ 0015 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 0, 5, 0) \\
L_{70} &= \begin{bmatrix} 1000 \\ 0016 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 0, 6, 0) \\
L_{71} &= \begin{bmatrix} 1000 \\ 0017 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 0, 7, 0) \\
L_{72} &= \begin{bmatrix} 1000 \\ 0001 \end{bmatrix} = \mathbf{PI}(0, 0, 0, 0, 1, 0) \\
L_{73} &= \begin{bmatrix} 1010 \\ 0100 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 0, 0, 1) \\
L_{74} &= \begin{bmatrix} 1010 \\ 0110 \end{bmatrix} = \mathbf{PI}(1, 0, 1, 0, 0, 1) \\
L_{75} &= \begin{bmatrix} 1010 \\ 0120 \end{bmatrix} = \mathbf{PI}(1, 0, 2, 0, 0, 1) \\
L_{76} &= \begin{bmatrix} 1010 \\ 0130 \end{bmatrix} = \mathbf{PI}(1, 0, 3, 0, 0, 1) \\
L_{77} &= \begin{bmatrix} 1010 \\ 0140 \end{bmatrix} = \mathbf{PI}(1, 0, 4, 0, 0, 1) \\
L_{78} &= \begin{bmatrix} 1010 \\ 0150 \end{bmatrix} = \mathbf{PI}(1, 0, 5, 0, 0, 1) \\
L_{79} &= \begin{bmatrix} 1010 \\ 0160 \end{bmatrix} = \mathbf{PI}(1, 0, 6, 0, 0, 1) \\
L_{80} &= \begin{bmatrix} 1010 \\ 0170 \end{bmatrix} = \mathbf{PI}(1, 0, 7, 0, 0, 1) \\
L_{81} &= \begin{bmatrix} 1010 \\ 0101 \end{bmatrix} = \mathbf{PI}(1, 1, 0, 0, 1, 1) \\
L_{82} &= \begin{bmatrix} 1010 \\ 0111 \end{bmatrix} = \mathbf{PI}(1, 1, 1, 0, 1, 1)
\end{aligned}$$

$$\begin{aligned}
L_{83} &= \begin{bmatrix} 1010 \\ 0121 \end{bmatrix} = \mathbf{PI}(1, 1, 2, 0, 1, 1) \\
L_{84} &= \begin{bmatrix} 1010 \\ 0131 \end{bmatrix} = \mathbf{PI}(1, 1, 3, 0, 1, 1) \\
L_{85} &= \begin{bmatrix} 1010 \\ 0141 \end{bmatrix} = \mathbf{PI}(1, 1, 4, 0, 1, 1) \\
L_{86} &= \begin{bmatrix} 1010 \\ 0151 \end{bmatrix} = \mathbf{PI}(1, 1, 5, 0, 1, 1) \\
L_{87} &= \begin{bmatrix} 1010 \\ 0161 \end{bmatrix} = \mathbf{PI}(1, 1, 6, 0, 1, 1) \\
L_{88} &= \begin{bmatrix} 1010 \\ 0171 \end{bmatrix} = \mathbf{PI}(1, 1, 7, 0, 1, 1) \\
L_{89} &= \begin{bmatrix} 1010 \\ 0102 \end{bmatrix} = \mathbf{PI}(1, 2, 0, 0, 2, 1) \\
L_{90} &= \begin{bmatrix} 1010 \\ 0112 \end{bmatrix} = \mathbf{PI}(1, 2, 1, 0, 2, 1) \\
L_{91} &= \begin{bmatrix} 1010 \\ 0122 \end{bmatrix} = \mathbf{PI}(1, 2, 2, 0, 2, 1) \\
L_{92} &= \begin{bmatrix} 1010 \\ 0132 \end{bmatrix} = \mathbf{PI}(1, 2, 3, 0, 2, 1) \\
L_{93} &= \begin{bmatrix} 1010 \\ 0142 \end{bmatrix} = \mathbf{PI}(1, 2, 4, 0, 2, 1) \\
L_{94} &= \begin{bmatrix} 1010 \\ 0152 \end{bmatrix} = \mathbf{PI}(1, 2, 5, 0, 2, 1) \\
L_{95} &= \begin{bmatrix} 1010 \\ 0162 \end{bmatrix} = \mathbf{PI}(1, 2, 6, 0, 2, 1) \\
L_{96} &= \begin{bmatrix} 1010 \\ 0172 \end{bmatrix} = \mathbf{PI}(1, 2, 7, 0, 2, 1) \\
L_{97} &= \begin{bmatrix} 1010 \\ 0103 \end{bmatrix} = \mathbf{PI}(1, 3, 0, 0, 3, 1) \\
L_{98} &= \begin{bmatrix} 1010 \\ 0113 \end{bmatrix} = \mathbf{PI}(1, 3, 1, 0, 3, 1) \\
L_{99} &= \begin{bmatrix} 1010 \\ 0123 \end{bmatrix} = \mathbf{PI}(1, 3, 2, 0, 3, 1) \\
L_{100} &= \begin{bmatrix} 1010 \\ 0133 \end{bmatrix} = \mathbf{PI}(1, 3, 3, 0, 3, 1) \\
L_{101} &= \begin{bmatrix} 1010 \\ 0143 \end{bmatrix} = \mathbf{PI}(1, 3, 4, 0, 3, 1) \\
L_{102} &= \begin{bmatrix} 1010 \\ 0153 \end{bmatrix} = \mathbf{PI}(1, 3, 5, 0, 3, 1) \\
L_{103} &= \begin{bmatrix} 1010 \\ 0163 \end{bmatrix} = \mathbf{PI}(1, 3, 6, 0, 3, 1)
\end{aligned}$$



$$\begin{aligned}
L_{104} &= \begin{bmatrix} 1010 \\ 0173 \end{bmatrix} = \mathbf{PI}(1, 3, 7, 0, 3, 1) \\
L_{105} &= \begin{bmatrix} 1010 \\ 0104 \end{bmatrix} = \mathbf{PI}(1, 4, 0, 0, 4, 1) \\
L_{106} &= \begin{bmatrix} 1010 \\ 0114 \end{bmatrix} = \mathbf{PI}(1, 4, 1, 0, 4, 1) \\
L_{107} &= \begin{bmatrix} 1010 \\ 0124 \end{bmatrix} = \mathbf{PI}(1, 4, 2, 0, 4, 1) \\
L_{108} &= \begin{bmatrix} 1010 \\ 0134 \end{bmatrix} = \mathbf{PI}(1, 4, 3, 0, 4, 1) \\
L_{109} &= \begin{bmatrix} 1010 \\ 0144 \end{bmatrix} = \mathbf{PI}(1, 4, 4, 0, 4, 1) \\
L_{110} &= \begin{bmatrix} 1010 \\ 0154 \end{bmatrix} = \mathbf{PI}(1, 4, 5, 0, 4, 1) \\
L_{111} &= \begin{bmatrix} 1010 \\ 0164 \end{bmatrix} = \mathbf{PI}(1, 4, 6, 0, 4, 1) \\
L_{112} &= \begin{bmatrix} 1010 \\ 0174 \end{bmatrix} = \mathbf{PI}(1, 4, 7, 0, 4, 1) \\
L_{113} &= \begin{bmatrix} 1010 \\ 0105 \end{bmatrix} = \mathbf{PI}(1, 5, 0, 0, 5, 1) \\
L_{114} &= \begin{bmatrix} 1010 \\ 0115 \end{bmatrix} = \mathbf{PI}(1, 5, 1, 0, 5, 1) \\
L_{115} &= \begin{bmatrix} 1010 \\ 0125 \end{bmatrix} = \mathbf{PI}(1, 5, 2, 0, 5, 1) \\
L_{116} &= \begin{bmatrix} 1010 \\ 0135 \end{bmatrix} = \mathbf{PI}(1, 5, 3, 0, 5, 1) \\
L_{117} &= \begin{bmatrix} 1010 \\ 0145 \end{bmatrix} = \mathbf{PI}(1, 5, 4, 0, 5, 1) \\
L_{118} &= \begin{bmatrix} 1010 \\ 0155 \end{bmatrix} = \mathbf{PI}(1, 5, 5, 0, 5, 1) \\
L_{119} &= \begin{bmatrix} 1010 \\ 0165 \end{bmatrix} = \mathbf{PI}(1, 5, 6, 0, 5, 1) \\
L_{120} &= \begin{bmatrix} 1010 \\ 0175 \end{bmatrix} = \mathbf{PI}(1, 5, 7, 0, 5, 1) \\
L_{121} &= \begin{bmatrix} 1010 \\ 0106 \end{bmatrix} = \mathbf{PI}(1, 6, 0, 0, 6, 1) \\
L_{122} &= \begin{bmatrix} 1010 \\ 0116 \end{bmatrix} = \mathbf{PI}(1, 6, 1, 0, 6, 1) \\
L_{123} &= \begin{bmatrix} 1010 \\ 0126 \end{bmatrix} = \mathbf{PI}(1, 6, 2, 0, 6, 1) \\
L_{124} &= \begin{bmatrix} 1010 \\ 0136 \end{bmatrix} = \mathbf{PI}(1, 6, 3, 0, 6, 1)
\end{aligned}$$

$$\begin{aligned}
L_{125} &= \begin{bmatrix} 1010 \\ 0146 \end{bmatrix} = \mathbf{PI}(1, 6, 4, 0, 6, 1) \\
L_{126} &= \begin{bmatrix} 1010 \\ 0156 \end{bmatrix} = \mathbf{PI}(1, 6, 5, 0, 6, 1) \\
L_{127} &= \begin{bmatrix} 1010 \\ 0166 \end{bmatrix} = \mathbf{PI}(1, 6, 6, 0, 6, 1) \\
L_{128} &= \begin{bmatrix} 1010 \\ 0176 \end{bmatrix} = \mathbf{PI}(1, 6, 7, 0, 6, 1) \\
L_{129} &= \begin{bmatrix} 1010 \\ 0107 \end{bmatrix} = \mathbf{PI}(1, 7, 0, 0, 7, 1) \\
L_{130} &= \begin{bmatrix} 1010 \\ 0117 \end{bmatrix} = \mathbf{PI}(1, 7, 1, 0, 7, 1) \\
L_{131} &= \begin{bmatrix} 1010 \\ 0127 \end{bmatrix} = \mathbf{PI}(1, 7, 2, 0, 7, 1) \\
L_{132} &= \begin{bmatrix} 1010 \\ 0137 \end{bmatrix} = \mathbf{PI}(1, 7, 3, 0, 7, 1) \\
L_{133} &= \begin{bmatrix} 1010 \\ 0147 \end{bmatrix} = \mathbf{PI}(1, 7, 4, 0, 7, 1) \\
L_{134} &= \begin{bmatrix} 1010 \\ 0157 \end{bmatrix} = \mathbf{PI}(1, 7, 5, 0, 7, 1) \\
L_{135} &= \begin{bmatrix} 1010 \\ 0167 \end{bmatrix} = \mathbf{PI}(1, 7, 6, 0, 7, 1) \\
L_{136} &= \begin{bmatrix} 1010 \\ 0177 \end{bmatrix} = \mathbf{PI}(1, 7, 7, 0, 7, 1) \\
L_{137} &= \begin{bmatrix} 1100 \\ 0010 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 0, 0, 1) \\
L_{138} &= \begin{bmatrix} 1100 \\ 0011 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 1, 1, 1) \\
L_{139} &= \begin{bmatrix} 1100 \\ 0012 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 2, 2, 1) \\
L_{140} &= \begin{bmatrix} 1100 \\ 0013 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 3, 3, 1) \\
L_{141} &= \begin{bmatrix} 1100 \\ 0014 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 4, 4, 1) \\
L_{142} &= \begin{bmatrix} 1100 \\ 0015 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 5, 5, 1) \\
L_{143} &= \begin{bmatrix} 1100 \\ 0016 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 6, 6, 1) \\
L_{144} &= \begin{bmatrix} 1100 \\ 0017 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 7, 7, 1) \\
L_{145} &= \begin{bmatrix} 1100 \\ 0001 \end{bmatrix} = \mathbf{PI}(0, 0, 0, 1, 1, 0)
\end{aligned}$$

$$\begin{aligned}
L_{146} &= \begin{bmatrix} 1020 \\ 0100 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 0, 0, 2) \\
L_{147} &= \begin{bmatrix} 1020 \\ 0110 \end{bmatrix} = \mathbf{PI}(1, 0, 1, 0, 0, 2) \\
L_{148} &= \begin{bmatrix} 1020 \\ 0120 \end{bmatrix} = \mathbf{PI}(1, 0, 2, 0, 0, 2) \\
L_{149} &= \begin{bmatrix} 1020 \\ 0130 \end{bmatrix} = \mathbf{PI}(1, 0, 3, 0, 0, 2) \\
L_{150} &= \begin{bmatrix} 1020 \\ 0140 \end{bmatrix} = \mathbf{PI}(1, 0, 4, 0, 0, 2) \\
L_{151} &= \begin{bmatrix} 1020 \\ 0150 \end{bmatrix} = \mathbf{PI}(1, 0, 5, 0, 0, 2) \\
L_{152} &= \begin{bmatrix} 1020 \\ 0160 \end{bmatrix} = \mathbf{PI}(1, 0, 6, 0, 0, 2) \\
L_{153} &= \begin{bmatrix} 1020 \\ 0170 \end{bmatrix} = \mathbf{PI}(1, 0, 7, 0, 0, 2) \\
L_{154} &= \begin{bmatrix} 1020 \\ 0101 \end{bmatrix} = \mathbf{PI}(1, 2, 0, 0, 1, 2) \\
L_{155} &= \begin{bmatrix} 1020 \\ 0111 \end{bmatrix} = \mathbf{PI}(1, 2, 1, 0, 1, 2) \\
L_{156} &= \begin{bmatrix} 1020 \\ 0121 \end{bmatrix} = \mathbf{PI}(1, 2, 2, 0, 1, 2) \\
L_{157} &= \begin{bmatrix} 1020 \\ 0131 \end{bmatrix} = \mathbf{PI}(1, 2, 3, 0, 1, 2) \\
L_{158} &= \begin{bmatrix} 1020 \\ 0141 \end{bmatrix} = \mathbf{PI}(1, 2, 4, 0, 1, 2) \\
L_{159} &= \begin{bmatrix} 1020 \\ 0151 \end{bmatrix} = \mathbf{PI}(1, 2, 5, 0, 1, 2) \\
L_{160} &= \begin{bmatrix} 1020 \\ 0161 \end{bmatrix} = \mathbf{PI}(1, 2, 6, 0, 1, 2) \\
L_{161} &= \begin{bmatrix} 1020 \\ 0171 \end{bmatrix} = \mathbf{PI}(1, 2, 7, 0, 1, 2) \\
L_{162} &= \begin{bmatrix} 1020 \\ 0102 \end{bmatrix} = \mathbf{PI}(1, 4, 0, 0, 2, 2) \\
L_{163} &= \begin{bmatrix} 1020 \\ 0112 \end{bmatrix} = \mathbf{PI}(1, 4, 1, 0, 2, 2) \\
L_{164} &= \begin{bmatrix} 1020 \\ 0122 \end{bmatrix} = \mathbf{PI}(1, 4, 2, 0, 2, 2) \\
L_{165} &= \begin{bmatrix} 1020 \\ 0132 \end{bmatrix} = \mathbf{PI}(1, 4, 3, 0, 2, 2) \\
L_{166} &= \begin{bmatrix} 1020 \\ 0142 \end{bmatrix} = \mathbf{PI}(1, 4, 4, 0, 2, 2)
\end{aligned}$$

$$\begin{aligned}
L_{167} &= \begin{bmatrix} 1020 \\ 0152 \end{bmatrix} = \mathbf{PI}(1, 4, 5, 0, 2, 2) \\
L_{168} &= \begin{bmatrix} 1020 \\ 0162 \end{bmatrix} = \mathbf{PI}(1, 4, 6, 0, 2, 2) \\
L_{169} &= \begin{bmatrix} 1020 \\ 0172 \end{bmatrix} = \mathbf{PI}(1, 4, 7, 0, 2, 2) \\
L_{170} &= \begin{bmatrix} 1020 \\ 0103 \end{bmatrix} = \mathbf{PI}(1, 6, 0, 0, 3, 2) \\
L_{171} &= \begin{bmatrix} 1020 \\ 0113 \end{bmatrix} = \mathbf{PI}(1, 6, 1, 0, 3, 2) \\
L_{172} &= \begin{bmatrix} 1020 \\ 0123 \end{bmatrix} = \mathbf{PI}(1, 6, 2, 0, 3, 2) \\
L_{173} &= \begin{bmatrix} 1020 \\ 0133 \end{bmatrix} = \mathbf{PI}(1, 6, 3, 0, 3, 2) \\
L_{174} &= \begin{bmatrix} 1020 \\ 0143 \end{bmatrix} = \mathbf{PI}(1, 6, 4, 0, 3, 2) \\
L_{175} &= \begin{bmatrix} 1020 \\ 0153 \end{bmatrix} = \mathbf{PI}(1, 6, 5, 0, 3, 2) \\
L_{176} &= \begin{bmatrix} 1020 \\ 0163 \end{bmatrix} = \mathbf{PI}(1, 6, 6, 0, 3, 2) \\
L_{177} &= \begin{bmatrix} 1020 \\ 0173 \end{bmatrix} = \mathbf{PI}(1, 6, 7, 0, 3, 2) \\
L_{178} &= \begin{bmatrix} 1020 \\ 0104 \end{bmatrix} = \mathbf{PI}(1, 5, 0, 0, 4, 2) \\
L_{179} &= \begin{bmatrix} 1020 \\ 0114 \end{bmatrix} = \mathbf{PI}(1, 5, 1, 0, 4, 2) \\
L_{180} &= \begin{bmatrix} 1020 \\ 0124 \end{bmatrix} = \mathbf{PI}(1, 5, 2, 0, 4, 2) \\
L_{181} &= \begin{bmatrix} 1020 \\ 0134 \end{bmatrix} = \mathbf{PI}(1, 5, 3, 0, 4, 2) \\
L_{182} &= \begin{bmatrix} 1020 \\ 0144 \end{bmatrix} = \mathbf{PI}(1, 5, 4, 0, 4, 2) \\
L_{183} &= \begin{bmatrix} 1020 \\ 0154 \end{bmatrix} = \mathbf{PI}(1, 5, 5, 0, 4, 2) \\
L_{184} &= \begin{bmatrix} 1020 \\ 0164 \end{bmatrix} = \mathbf{PI}(1, 5, 6, 0, 4, 2) \\
L_{185} &= \begin{bmatrix} 1020 \\ 0174 \end{bmatrix} = \mathbf{PI}(1, 5, 7, 0, 4, 2) \\
L_{186} &= \begin{bmatrix} 1020 \\ 0105 \end{bmatrix} = \mathbf{PI}(1, 7, 0, 0, 5, 2) \\
L_{187} &= \begin{bmatrix} 1020 \\ 0115 \end{bmatrix} = \mathbf{PI}(1, 7, 1, 0, 5, 2)
\end{aligned}$$

$$\begin{aligned}
L_{188} &= \begin{bmatrix} 1020 \\ 0125 \end{bmatrix} = \mathbf{PI}(1, 7, 2, 0, 5, 2) \\
L_{189} &= \begin{bmatrix} 1020 \\ 0135 \end{bmatrix} = \mathbf{PI}(1, 7, 3, 0, 5, 2) \\
L_{190} &= \begin{bmatrix} 1020 \\ 0145 \end{bmatrix} = \mathbf{PI}(1, 7, 4, 0, 5, 2) \\
L_{191} &= \begin{bmatrix} 1020 \\ 0155 \end{bmatrix} = \mathbf{PI}(1, 7, 5, 0, 5, 2) \\
L_{192} &= \begin{bmatrix} 1020 \\ 0165 \end{bmatrix} = \mathbf{PI}(1, 7, 6, 0, 5, 2) \\
L_{193} &= \begin{bmatrix} 1020 \\ 0175 \end{bmatrix} = \mathbf{PI}(1, 7, 7, 0, 5, 2) \\
L_{194} &= \begin{bmatrix} 1020 \\ 0106 \end{bmatrix} = \mathbf{PI}(1, 1, 0, 0, 6, 2) \\
L_{195} &= \begin{bmatrix} 1020 \\ 0116 \end{bmatrix} = \mathbf{PI}(1, 1, 1, 0, 6, 2) \\
L_{196} &= \begin{bmatrix} 1020 \\ 0126 \end{bmatrix} = \mathbf{PI}(1, 1, 2, 0, 6, 2) \\
L_{197} &= \begin{bmatrix} 1020 \\ 0136 \end{bmatrix} = \mathbf{PI}(1, 1, 3, 0, 6, 2) \\
L_{198} &= \begin{bmatrix} 1020 \\ 0146 \end{bmatrix} = \mathbf{PI}(1, 1, 4, 0, 6, 2) \\
L_{199} &= \begin{bmatrix} 1020 \\ 0156 \end{bmatrix} = \mathbf{PI}(1, 1, 5, 0, 6, 2) \\
L_{200} &= \begin{bmatrix} 1020 \\ 0166 \end{bmatrix} = \mathbf{PI}(1, 1, 6, 0, 6, 2) \\
L_{201} &= \begin{bmatrix} 1020 \\ 0176 \end{bmatrix} = \mathbf{PI}(1, 1, 7, 0, 6, 2) \\
L_{202} &= \begin{bmatrix} 1020 \\ 0107 \end{bmatrix} = \mathbf{PI}(1, 3, 0, 0, 7, 2) \\
L_{203} &= \begin{bmatrix} 1020 \\ 0117 \end{bmatrix} = \mathbf{PI}(1, 3, 1, 0, 7, 2) \\
L_{204} &= \begin{bmatrix} 1020 \\ 0127 \end{bmatrix} = \mathbf{PI}(1, 3, 2, 0, 7, 2) \\
L_{205} &= \begin{bmatrix} 1020 \\ 0137 \end{bmatrix} = \mathbf{PI}(1, 3, 3, 0, 7, 2) \\
L_{206} &= \begin{bmatrix} 1020 \\ 0147 \end{bmatrix} = \mathbf{PI}(1, 3, 4, 0, 7, 2) \\
L_{207} &= \begin{bmatrix} 1020 \\ 0157 \end{bmatrix} = \mathbf{PI}(1, 3, 5, 0, 7, 2) \\
L_{208} &= \begin{bmatrix} 1020 \\ 0167 \end{bmatrix} = \mathbf{PI}(1, 3, 6, 0, 7, 2)
\end{aligned}$$

$$\begin{aligned}
L_{209} &= \begin{bmatrix} 1020 \\ 0177 \end{bmatrix} = \mathbf{PI}(1, 3, 7, 0, 7, 2) \\
L_{210} &= \begin{bmatrix} 1200 \\ 0010 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 0, 0, 2) \\
L_{211} &= \begin{bmatrix} 1200 \\ 0011 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 2, 1, 2) \\
L_{212} &= \begin{bmatrix} 1200 \\ 0012 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 4, 2, 2) \\
L_{213} &= \begin{bmatrix} 1200 \\ 0013 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 6, 3, 2) \\
L_{214} &= \begin{bmatrix} 1200 \\ 0014 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 5, 4, 2) \\
L_{215} &= \begin{bmatrix} 1200 \\ 0015 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 7, 5, 2) \\
L_{216} &= \begin{bmatrix} 1200 \\ 0016 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 1, 6, 2) \\
L_{217} &= \begin{bmatrix} 1200 \\ 0017 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 3, 7, 2) \\
L_{218} &= \begin{bmatrix} 1200 \\ 0001 \end{bmatrix} = \mathbf{PI}(0, 0, 0, 2, 1, 0) \\
L_{219} &= \begin{bmatrix} 1030 \\ 0100 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 0, 0, 3) \\
L_{220} &= \begin{bmatrix} 1030 \\ 0110 \end{bmatrix} = \mathbf{PI}(1, 0, 1, 0, 0, 3) \\
L_{221} &= \begin{bmatrix} 1030 \\ 0120 \end{bmatrix} = \mathbf{PI}(1, 0, 2, 0, 0, 3) \\
L_{222} &= \begin{bmatrix} 1030 \\ 0130 \end{bmatrix} = \mathbf{PI}(1, 0, 3, 0, 0, 3) \\
L_{223} &= \begin{bmatrix} 1030 \\ 0140 \end{bmatrix} = \mathbf{PI}(1, 0, 4, 0, 0, 3) \\
L_{224} &= \begin{bmatrix} 1030 \\ 0150 \end{bmatrix} = \mathbf{PI}(1, 0, 5, 0, 0, 3) \\
L_{225} &= \begin{bmatrix} 1030 \\ 0160 \end{bmatrix} = \mathbf{PI}(1, 0, 6, 0, 0, 3) \\
L_{226} &= \begin{bmatrix} 1030 \\ 0170 \end{bmatrix} = \mathbf{PI}(1, 0, 7, 0, 0, 3) \\
L_{227} &= \begin{bmatrix} 1030 \\ 0101 \end{bmatrix} = \mathbf{PI}(1, 3, 0, 0, 1, 3) \\
L_{228} &= \begin{bmatrix} 1030 \\ 0111 \end{bmatrix} = \mathbf{PI}(1, 3, 1, 0, 1, 3) \\
L_{229} &= \begin{bmatrix} 1030 \\ 0121 \end{bmatrix} = \mathbf{PI}(1, 3, 2, 0, 1, 3)
\end{aligned}$$

$$\begin{aligned}
L_{230} &= \begin{bmatrix} 1030 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 0, 1, 3) \\
L_{231} &= \begin{bmatrix} 1030 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 0, 1, 3) \\
L_{232} &= \begin{bmatrix} 1030 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 0, 1, 3) \\
L_{233} &= \begin{bmatrix} 1030 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 0, 1, 3) \\
L_{234} &= \begin{bmatrix} 1030 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 0, 1, 3) \\
L_{235} &= \begin{bmatrix} 1030 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 0, 2, 3) \\
L_{236} &= \begin{bmatrix} 1030 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 0, 2, 3) \\
L_{237} &= \begin{bmatrix} 1030 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 0, 2, 3) \\
L_{238} &= \begin{bmatrix} 1030 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 0, 2, 3) \\
L_{239} &= \begin{bmatrix} 1030 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 0, 2, 3) \\
L_{240} &= \begin{bmatrix} 1030 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 0, 2, 3) \\
L_{241} &= \begin{bmatrix} 1030 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 0, 2, 3) \\
L_{242} &= \begin{bmatrix} 1030 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 0, 2, 3) \\
L_{243} &= \begin{bmatrix} 1030 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 0, 3, 3) \\
L_{244} &= \begin{bmatrix} 1030 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 0, 3, 3) \\
L_{245} &= \begin{bmatrix} 1030 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 0, 3, 3) \\
L_{246} &= \begin{bmatrix} 1030 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 0, 3, 3) \\
L_{247} &= \begin{bmatrix} 1030 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 0, 3, 3) \\
L_{248} &= \begin{bmatrix} 1030 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 0, 3, 3) \\
L_{249} &= \begin{bmatrix} 1030 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 0, 3, 3) \\
L_{250} &= \begin{bmatrix} 1030 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 0, 3, 3)
\end{aligned}$$

$$\begin{aligned}
L_{251} &= \begin{bmatrix} 1030 \\ 0104 \end{bmatrix} = \mathbf{PI}(1, 1, 0, 0, 4, 3) \\
L_{252} &= \begin{bmatrix} 1030 \\ 0114 \end{bmatrix} = \mathbf{PI}(1, 1, 1, 0, 4, 3) \\
L_{253} &= \begin{bmatrix} 1030 \\ 0124 \end{bmatrix} = \mathbf{PI}(1, 1, 2, 0, 4, 3) \\
L_{254} &= \begin{bmatrix} 1030 \\ 0134 \end{bmatrix} = \mathbf{PI}(1, 1, 3, 0, 4, 3) \\
L_{255} &= \begin{bmatrix} 1030 \\ 0144 \end{bmatrix} = \mathbf{PI}(1, 1, 4, 0, 4, 3) \\
L_{256} &= \begin{bmatrix} 1030 \\ 0154 \end{bmatrix} = \mathbf{PI}(1, 1, 5, 0, 4, 3) \\
L_{257} &= \begin{bmatrix} 1030 \\ 0164 \end{bmatrix} = \mathbf{PI}(1, 1, 6, 0, 4, 3) \\
L_{258} &= \begin{bmatrix} 1030 \\ 0174 \end{bmatrix} = \mathbf{PI}(1, 1, 7, 0, 4, 3) \\
L_{259} &= \begin{bmatrix} 1030 \\ 0105 \end{bmatrix} = \mathbf{PI}(1, 2, 0, 0, 5, 3) \\
L_{260} &= \begin{bmatrix} 1030 \\ 0115 \end{bmatrix} = \mathbf{PI}(1, 2, 1, 0, 5, 3) \\
L_{261} &= \begin{bmatrix} 1030 \\ 0125 \end{bmatrix} = \mathbf{PI}(1, 2, 2, 0, 5, 3) \\
L_{262} &= \begin{bmatrix} 1030 \\ 0135 \end{bmatrix} = \mathbf{PI}(1, 2, 3, 0, 5, 3) \\
L_{263} &= \begin{bmatrix} 1030 \\ 0145 \end{bmatrix} = \mathbf{PI}(1, 2, 4, 0, 5, 3) \\
L_{264} &= \begin{bmatrix} 1030 \\ 0155 \end{bmatrix} = \mathbf{PI}(1, 2, 5, 0, 5, 3) \\
L_{265} &= \begin{bmatrix} 1030 \\ 0165 \end{bmatrix} = \mathbf{PI}(1, 2, 6, 0, 5, 3) \\
L_{266} &= \begin{bmatrix} 1030 \\ 0175 \end{bmatrix} = \mathbf{PI}(1, 2, 7, 0, 5, 3) \\
L_{267} &= \begin{bmatrix} 1030 \\ 0106 \end{bmatrix} = \mathbf{PI}(1, 7, 0, 0, 6, 3) \\
L_{268} &= \begin{bmatrix} 1030 \\ 0116 \end{bmatrix} = \mathbf{PI}(1, 7, 1, 0, 6, 3) \\
L_{269} &= \begin{bmatrix} 1030 \\ 0126 \end{bmatrix} = \mathbf{PI}(1, 7, 2, 0, 6, 3) \\
L_{270} &= \begin{bmatrix} 1030 \\ 0136 \end{bmatrix} = \mathbf{PI}(1, 7, 3, 0, 6, 3) \\
L_{271} &= \begin{bmatrix} 1030 \\ 0146 \end{bmatrix} = \mathbf{PI}(1, 7, 4, 0, 6, 3)
\end{aligned}$$



$$\begin{aligned}
L_{272} &= \begin{bmatrix} 1030 \\ 0156 \end{bmatrix} = \mathbf{PI}(1, 7, 5, 0, 6, 3) \\
L_{273} &= \begin{bmatrix} 1030 \\ 0166 \end{bmatrix} = \mathbf{PI}(1, 7, 6, 0, 6, 3) \\
L_{274} &= \begin{bmatrix} 1030 \\ 0176 \end{bmatrix} = \mathbf{PI}(1, 7, 7, 0, 6, 3) \\
L_{275} &= \begin{bmatrix} 1030 \\ 0107 \end{bmatrix} = \mathbf{PI}(1, 4, 0, 0, 7, 3) \\
L_{276} &= \begin{bmatrix} 1030 \\ 0117 \end{bmatrix} = \mathbf{PI}(1, 4, 1, 0, 7, 3) \\
L_{277} &= \begin{bmatrix} 1030 \\ 0127 \end{bmatrix} = \mathbf{PI}(1, 4, 2, 0, 7, 3) \\
L_{278} &= \begin{bmatrix} 1030 \\ 0137 \end{bmatrix} = \mathbf{PI}(1, 4, 3, 0, 7, 3) \\
L_{279} &= \begin{bmatrix} 1030 \\ 0147 \end{bmatrix} = \mathbf{PI}(1, 4, 4, 0, 7, 3) \\
L_{280} &= \begin{bmatrix} 1030 \\ 0157 \end{bmatrix} = \mathbf{PI}(1, 4, 5, 0, 7, 3) \\
L_{281} &= \begin{bmatrix} 1030 \\ 0167 \end{bmatrix} = \mathbf{PI}(1, 4, 6, 0, 7, 3) \\
L_{282} &= \begin{bmatrix} 1030 \\ 0177 \end{bmatrix} = \mathbf{PI}(1, 4, 7, 0, 7, 3) \\
L_{283} &= \begin{bmatrix} 1300 \\ 0010 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 0, 0, 3) \\
L_{284} &= \begin{bmatrix} 1300 \\ 0011 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 3, 1, 3) \\
L_{285} &= \begin{bmatrix} 1300 \\ 0012 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 6, 2, 3) \\
L_{286} &= \begin{bmatrix} 1300 \\ 0013 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 5, 3, 3) \\
L_{287} &= \begin{bmatrix} 1300 \\ 0014 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 1, 4, 3) \\
L_{288} &= \begin{bmatrix} 1300 \\ 0015 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 2, 5, 3) \\
L_{289} &= \begin{bmatrix} 1300 \\ 0016 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 7, 6, 3) \\
L_{290} &= \begin{bmatrix} 1300 \\ 0017 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 4, 7, 3) \\
L_{291} &= \begin{bmatrix} 1300 \\ 0001 \end{bmatrix} = \mathbf{PI}(0, 0, 0, 3, 1, 0) \\
L_{292} &= \begin{bmatrix} 1040 \\ 0100 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 0, 0, 4)
\end{aligned}$$

$$\begin{aligned}
L_{293} &= \begin{bmatrix} 1040 \\ 0110 \end{bmatrix} = \mathbf{PI}(1, 0, 1, 0, 0, 4) \\
L_{294} &= \begin{bmatrix} 1040 \\ 0120 \end{bmatrix} = \mathbf{PI}(1, 0, 2, 0, 0, 4) \\
L_{295} &= \begin{bmatrix} 1040 \\ 0130 \end{bmatrix} = \mathbf{PI}(1, 0, 3, 0, 0, 4) \\
L_{296} &= \begin{bmatrix} 1040 \\ 0140 \end{bmatrix} = \mathbf{PI}(1, 0, 4, 0, 0, 4) \\
L_{297} &= \begin{bmatrix} 1040 \\ 0150 \end{bmatrix} = \mathbf{PI}(1, 0, 5, 0, 0, 4) \\
L_{298} &= \begin{bmatrix} 1040 \\ 0160 \end{bmatrix} = \mathbf{PI}(1, 0, 6, 0, 0, 4) \\
L_{299} &= \begin{bmatrix} 1040 \\ 0170 \end{bmatrix} = \mathbf{PI}(1, 0, 7, 0, 0, 4) \\
L_{300} &= \begin{bmatrix} 1040 \\ 0101 \end{bmatrix} = \mathbf{PI}(1, 4, 0, 0, 1, 4) \\
L_{301} &= \begin{bmatrix} 1040 \\ 0111 \end{bmatrix} = \mathbf{PI}(1, 4, 1, 0, 1, 4) \\
L_{302} &= \begin{bmatrix} 1040 \\ 0121 \end{bmatrix} = \mathbf{PI}(1, 4, 2, 0, 1, 4) \\
L_{303} &= \begin{bmatrix} 1040 \\ 0131 \end{bmatrix} = \mathbf{PI}(1, 4, 3, 0, 1, 4) \\
L_{304} &= \begin{bmatrix} 1040 \\ 0141 \end{bmatrix} = \mathbf{PI}(1, 4, 4, 0, 1, 4) \\
L_{305} &= \begin{bmatrix} 1040 \\ 0151 \end{bmatrix} = \mathbf{PI}(1, 4, 5, 0, 1, 4) \\
L_{306} &= \begin{bmatrix} 1040 \\ 0161 \end{bmatrix} = \mathbf{PI}(1, 4, 6, 0, 1, 4) \\
L_{307} &= \begin{bmatrix} 1040 \\ 0171 \end{bmatrix} = \mathbf{PI}(1, 4, 7, 0, 1, 4) \\
L_{308} &= \begin{bmatrix} 1040 \\ 0102 \end{bmatrix} = \mathbf{PI}(1, 5, 0, 0, 2, 4) \\
L_{309} &= \begin{bmatrix} 1040 \\ 0112 \end{bmatrix} = \mathbf{PI}(1, 5, 1, 0, 2, 4) \\
L_{310} &= \begin{bmatrix} 1040 \\ 0122 \end{bmatrix} = \mathbf{PI}(1, 5, 2, 0, 2, 4) \\
L_{311} &= \begin{bmatrix} 1040 \\ 0132 \end{bmatrix} = \mathbf{PI}(1, 5, 3, 0, 2, 4) \\
L_{312} &= \begin{bmatrix} 1040 \\ 0142 \end{bmatrix} = \mathbf{PI}(1, 5, 4, 0, 2, 4) \\
L_{313} &= \begin{bmatrix} 1040 \\ 0152 \end{bmatrix} = \mathbf{PI}(1, 5, 5, 0, 2, 4)
\end{aligned}$$

$$\begin{aligned}
L_{314} &= \begin{bmatrix} 1040 \\ 0162 \end{bmatrix} = \mathbf{PI}(1, 5, 6, 0, 2, 4) \\
L_{315} &= \begin{bmatrix} 1040 \\ 0172 \end{bmatrix} = \mathbf{PI}(1, 5, 7, 0, 2, 4) \\
L_{316} &= \begin{bmatrix} 1040 \\ 0103 \end{bmatrix} = \mathbf{PI}(1, 1, 0, 0, 3, 4) \\
L_{317} &= \begin{bmatrix} 1040 \\ 0113 \end{bmatrix} = \mathbf{PI}(1, 1, 1, 0, 3, 4) \\
L_{318} &= \begin{bmatrix} 1040 \\ 0123 \end{bmatrix} = \mathbf{PI}(1, 1, 2, 0, 3, 4) \\
L_{319} &= \begin{bmatrix} 1040 \\ 0133 \end{bmatrix} = \mathbf{PI}(1, 1, 3, 0, 3, 4) \\
L_{320} &= \begin{bmatrix} 1040 \\ 0143 \end{bmatrix} = \mathbf{PI}(1, 1, 4, 0, 3, 4) \\
L_{321} &= \begin{bmatrix} 1040 \\ 0153 \end{bmatrix} = \mathbf{PI}(1, 1, 5, 0, 3, 4) \\
L_{322} &= \begin{bmatrix} 1040 \\ 0163 \end{bmatrix} = \mathbf{PI}(1, 1, 6, 0, 3, 4) \\
L_{323} &= \begin{bmatrix} 1040 \\ 0173 \end{bmatrix} = \mathbf{PI}(1, 1, 7, 0, 3, 4) \\
L_{324} &= \begin{bmatrix} 1040 \\ 0104 \end{bmatrix} = \mathbf{PI}(1, 7, 0, 0, 4, 4) \\
L_{325} &= \begin{bmatrix} 1040 \\ 0114 \end{bmatrix} = \mathbf{PI}(1, 7, 1, 0, 4, 4) \\
L_{326} &= \begin{bmatrix} 1040 \\ 0124 \end{bmatrix} = \mathbf{PI}(1, 7, 2, 0, 4, 4) \\
L_{327} &= \begin{bmatrix} 1040 \\ 0134 \end{bmatrix} = \mathbf{PI}(1, 7, 3, 0, 4, 4) \\
L_{328} &= \begin{bmatrix} 1040 \\ 0144 \end{bmatrix} = \mathbf{PI}(1, 7, 4, 0, 4, 4) \\
L_{329} &= \begin{bmatrix} 1040 \\ 0154 \end{bmatrix} = \mathbf{PI}(1, 7, 5, 0, 4, 4) \\
L_{330} &= \begin{bmatrix} 1040 \\ 0164 \end{bmatrix} = \mathbf{PI}(1, 7, 6, 0, 4, 4) \\
L_{331} &= \begin{bmatrix} 1040 \\ 0174 \end{bmatrix} = \mathbf{PI}(1, 7, 7, 0, 4, 4) \\
L_{332} &= \begin{bmatrix} 1040 \\ 0105 \end{bmatrix} = \mathbf{PI}(1, 3, 0, 0, 5, 4) \\
L_{333} &= \begin{bmatrix} 1040 \\ 0115 \end{bmatrix} = \mathbf{PI}(1, 3, 1, 0, 5, 4) \\
L_{334} &= \begin{bmatrix} 1040 \\ 0125 \end{bmatrix} = \mathbf{PI}(1, 3, 2, 0, 5, 4)
\end{aligned}$$

$$\begin{aligned}
L_{335} &= \begin{bmatrix} 1040 \\ 0135 \end{bmatrix} = \mathbf{PI}(1, 3, 3, 0, 5, 4) \\
L_{336} &= \begin{bmatrix} 1040 \\ 0145 \end{bmatrix} = \mathbf{PI}(1, 3, 4, 0, 5, 4) \\
L_{337} &= \begin{bmatrix} 1040 \\ 0155 \end{bmatrix} = \mathbf{PI}(1, 3, 5, 0, 5, 4) \\
L_{338} &= \begin{bmatrix} 1040 \\ 0165 \end{bmatrix} = \mathbf{PI}(1, 3, 6, 0, 5, 4) \\
L_{339} &= \begin{bmatrix} 1040 \\ 0175 \end{bmatrix} = \mathbf{PI}(1, 3, 7, 0, 5, 4) \\
L_{340} &= \begin{bmatrix} 1040 \\ 0106 \end{bmatrix} = \mathbf{PI}(1, 2, 0, 0, 6, 4) \\
L_{341} &= \begin{bmatrix} 1040 \\ 0116 \end{bmatrix} = \mathbf{PI}(1, 2, 1, 0, 6, 4) \\
L_{342} &= \begin{bmatrix} 1040 \\ 0126 \end{bmatrix} = \mathbf{PI}(1, 2, 2, 0, 6, 4) \\
L_{343} &= \begin{bmatrix} 1040 \\ 0136 \end{bmatrix} = \mathbf{PI}(1, 2, 3, 0, 6, 4) \\
L_{344} &= \begin{bmatrix} 1040 \\ 0146 \end{bmatrix} = \mathbf{PI}(1, 2, 4, 0, 6, 4) \\
L_{345} &= \begin{bmatrix} 1040 \\ 0156 \end{bmatrix} = \mathbf{PI}(1, 2, 5, 0, 6, 4) \\
L_{346} &= \begin{bmatrix} 1040 \\ 0166 \end{bmatrix} = \mathbf{PI}(1, 2, 6, 0, 6, 4) \\
L_{347} &= \begin{bmatrix} 1040 \\ 0176 \end{bmatrix} = \mathbf{PI}(1, 2, 7, 0, 6, 4) \\
L_{348} &= \begin{bmatrix} 1040 \\ 0107 \end{bmatrix} = \mathbf{PI}(1, 6, 0, 0, 7, 4) \\
L_{349} &= \begin{bmatrix} 1040 \\ 0117 \end{bmatrix} = \mathbf{PI}(1, 6, 1, 0, 7, 4) \\
L_{350} &= \begin{bmatrix} 1040 \\ 0127 \end{bmatrix} = \mathbf{PI}(1, 6, 2, 0, 7, 4) \\
L_{351} &= \begin{bmatrix} 1040 \\ 0137 \end{bmatrix} = \mathbf{PI}(1, 6, 3, 0, 7, 4) \\
L_{352} &= \begin{bmatrix} 1040 \\ 0147 \end{bmatrix} = \mathbf{PI}(1, 6, 4, 0, 7, 4) \\
L_{353} &= \begin{bmatrix} 1040 \\ 0157 \end{bmatrix} = \mathbf{PI}(1, 6, 5, 0, 7, 4) \\
L_{354} &= \begin{bmatrix} 1040 \\ 0167 \end{bmatrix} = \mathbf{PI}(1, 6, 6, 0, 7, 4) \\
L_{355} &= \begin{bmatrix} 1040 \\ 0177 \end{bmatrix} = \mathbf{PI}(1, 6, 7, 0, 7, 4)
\end{aligned}$$

$$\begin{aligned}
L_{356} &= \begin{bmatrix} 1400 \\ 0010 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 0, 0, 4) \\
L_{357} &= \begin{bmatrix} 1400 \\ 0011 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 4, 1, 4) \\
L_{358} &= \begin{bmatrix} 1400 \\ 0012 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 5, 2, 4) \\
L_{359} &= \begin{bmatrix} 1400 \\ 0013 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 1, 3, 4) \\
L_{360} &= \begin{bmatrix} 1400 \\ 0014 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 7, 4, 4) \\
L_{361} &= \begin{bmatrix} 1400 \\ 0015 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 3, 5, 4) \\
L_{362} &= \begin{bmatrix} 1400 \\ 0016 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 2, 6, 4) \\
L_{363} &= \begin{bmatrix} 1400 \\ 0017 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 6, 7, 4) \\
L_{364} &= \begin{bmatrix} 1400 \\ 0001 \end{bmatrix} = \mathbf{PI}(0, 0, 0, 4, 1, 0) \\
L_{365} &= \begin{bmatrix} 1050 \\ 0100 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 0, 0, 5) \\
L_{366} &= \begin{bmatrix} 1050 \\ 0110 \end{bmatrix} = \mathbf{PI}(1, 0, 1, 0, 0, 5) \\
L_{367} &= \begin{bmatrix} 1050 \\ 0120 \end{bmatrix} = \mathbf{PI}(1, 0, 2, 0, 0, 5) \\
L_{368} &= \begin{bmatrix} 1050 \\ 0130 \end{bmatrix} = \mathbf{PI}(1, 0, 3, 0, 0, 5) \\
L_{369} &= \begin{bmatrix} 1050 \\ 0140 \end{bmatrix} = \mathbf{PI}(1, 0, 4, 0, 0, 5) \\
L_{370} &= \begin{bmatrix} 1050 \\ 0150 \end{bmatrix} = \mathbf{PI}(1, 0, 5, 0, 0, 5) \\
L_{371} &= \begin{bmatrix} 1050 \\ 0160 \end{bmatrix} = \mathbf{PI}(1, 0, 6, 0, 0, 5) \\
L_{372} &= \begin{bmatrix} 1050 \\ 0170 \end{bmatrix} = \mathbf{PI}(1, 0, 7, 0, 0, 5) \\
L_{373} &= \begin{bmatrix} 1050 \\ 0101 \end{bmatrix} = \mathbf{PI}(1, 5, 0, 0, 1, 5) \\
L_{374} &= \begin{bmatrix} 1050 \\ 0111 \end{bmatrix} = \mathbf{PI}(1, 5, 1, 0, 1, 5) \\
L_{375} &= \begin{bmatrix} 1050 \\ 0121 \end{bmatrix} = \mathbf{PI}(1, 5, 2, 0, 1, 5) \\
L_{376} &= \begin{bmatrix} 1050 \\ 0131 \end{bmatrix} = \mathbf{PI}(1, 5, 3, 0, 1, 5)
\end{aligned}$$

$$\begin{aligned}
L_{377} &= \begin{bmatrix} 1050 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 0, 1, 5) \\
L_{378} &= \begin{bmatrix} 1050 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 0, 1, 5) \\
L_{379} &= \begin{bmatrix} 1050 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 0, 1, 5) \\
L_{380} &= \begin{bmatrix} 1050 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 0, 1, 5) \\
L_{381} &= \begin{bmatrix} 1050 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 0, 2, 5) \\
L_{382} &= \begin{bmatrix} 1050 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 0, 2, 5) \\
L_{383} &= \begin{bmatrix} 1050 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 0, 2, 5) \\
L_{384} &= \begin{bmatrix} 1050 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 0, 2, 5) \\
L_{385} &= \begin{bmatrix} 1050 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 0, 2, 5) \\
L_{386} &= \begin{bmatrix} 1050 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 0, 2, 5) \\
L_{387} &= \begin{bmatrix} 1050 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 0, 2, 5) \\
L_{388} &= \begin{bmatrix} 1050 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 0, 2, 5) \\
L_{389} &= \begin{bmatrix} 1050 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 0, 3, 5) \\
L_{390} &= \begin{bmatrix} 1050 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 0, 3, 5) \\
L_{391} &= \begin{bmatrix} 1050 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 0, 3, 5) \\
L_{392} &= \begin{bmatrix} 1050 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 0, 3, 5) \\
L_{393} &= \begin{bmatrix} 1050 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 0, 3, 5) \\
L_{394} &= \begin{bmatrix} 1050 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 0, 3, 5) \\
L_{395} &= \begin{bmatrix} 1050 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 0, 3, 5) \\
L_{396} &= \begin{bmatrix} 1050 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 0, 3, 5) \\
L_{397} &= \begin{bmatrix} 1050 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 0, 4, 5)
\end{aligned}$$

$$\begin{aligned}
L_{398} &= \begin{bmatrix} 1050 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 0, 4, 5) \\
L_{399} &= \begin{bmatrix} 1050 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 0, 4, 5) \\
L_{400} &= \begin{bmatrix} 1050 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 0, 4, 5) \\
L_{401} &= \begin{bmatrix} 1050 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 0, 4, 5) \\
L_{402} &= \begin{bmatrix} 1050 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 0, 4, 5) \\
L_{403} &= \begin{bmatrix} 1050 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 0, 4, 5) \\
L_{404} &= \begin{bmatrix} 1050 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 0, 4, 5) \\
L_{405} &= \begin{bmatrix} 1050 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 0, 5, 5) \\
L_{406} &= \begin{bmatrix} 1050 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 0, 5, 5) \\
L_{407} &= \begin{bmatrix} 1050 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 0, 5, 5) \\
L_{408} &= \begin{bmatrix} 1050 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 0, 5, 5) \\
L_{409} &= \begin{bmatrix} 1050 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 0, 5, 5) \\
L_{410} &= \begin{bmatrix} 1050 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 0, 5, 5) \\
L_{411} &= \begin{bmatrix} 1050 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 0, 5, 5) \\
L_{412} &= \begin{bmatrix} 1050 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 0, 5, 5) \\
L_{413} &= \begin{bmatrix} 1050 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 0, 6, 5) \\
L_{414} &= \begin{bmatrix} 1050 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 0, 6, 5) \\
L_{415} &= \begin{bmatrix} 1050 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 0, 6, 5) \\
L_{416} &= \begin{bmatrix} 1050 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 0, 6, 5) \\
L_{417} &= \begin{bmatrix} 1050 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 0, 6, 5) \\
L_{418} &= \begin{bmatrix} 1050 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 0, 6, 5)
\end{aligned}$$

$$\begin{aligned}
L_{419} &= \begin{bmatrix} 1050 \\ 0166 \end{bmatrix} = \mathbf{PI}(1, 4, 6, 0, 6, 5) \\
L_{420} &= \begin{bmatrix} 1050 \\ 0176 \end{bmatrix} = \mathbf{PI}(1, 4, 7, 0, 6, 5) \\
L_{421} &= \begin{bmatrix} 1050 \\ 0107 \end{bmatrix} = \mathbf{PI}(1, 1, 0, 0, 7, 5) \\
L_{422} &= \begin{bmatrix} 1050 \\ 0117 \end{bmatrix} = \mathbf{PI}(1, 1, 1, 0, 7, 5) \\
L_{423} &= \begin{bmatrix} 1050 \\ 0127 \end{bmatrix} = \mathbf{PI}(1, 1, 2, 0, 7, 5) \\
L_{424} &= \begin{bmatrix} 1050 \\ 0137 \end{bmatrix} = \mathbf{PI}(1, 1, 3, 0, 7, 5) \\
L_{425} &= \begin{bmatrix} 1050 \\ 0147 \end{bmatrix} = \mathbf{PI}(1, 1, 4, 0, 7, 5) \\
L_{426} &= \begin{bmatrix} 1050 \\ 0157 \end{bmatrix} = \mathbf{PI}(1, 1, 5, 0, 7, 5) \\
L_{427} &= \begin{bmatrix} 1050 \\ 0167 \end{bmatrix} = \mathbf{PI}(1, 1, 6, 0, 7, 5) \\
L_{428} &= \begin{bmatrix} 1050 \\ 0177 \end{bmatrix} = \mathbf{PI}(1, 1, 7, 0, 7, 5) \\
L_{429} &= \begin{bmatrix} 1500 \\ 0010 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 0, 0, 5) \\
L_{430} &= \begin{bmatrix} 1500 \\ 0011 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 5, 1, 5) \\
L_{431} &= \begin{bmatrix} 1500 \\ 0012 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 7, 2, 5) \\
L_{432} &= \begin{bmatrix} 1500 \\ 0013 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 2, 3, 5) \\
L_{433} &= \begin{bmatrix} 1500 \\ 0014 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 3, 4, 5) \\
L_{434} &= \begin{bmatrix} 1500 \\ 0015 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 6, 5, 5) \\
L_{435} &= \begin{bmatrix} 1500 \\ 0016 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 4, 6, 5) \\
L_{436} &= \begin{bmatrix} 1500 \\ 0017 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 1, 7, 5) \\
L_{437} &= \begin{bmatrix} 1500 \\ 0001 \end{bmatrix} = \mathbf{PI}(0, 0, 0, 5, 1, 0) \\
L_{438} &= \begin{bmatrix} 1060 \\ 0100 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 0, 0, 6) \\
L_{439} &= \begin{bmatrix} 1060 \\ 0110 \end{bmatrix} = \mathbf{PI}(1, 0, 1, 0, 0, 6)
\end{aligned}$$



$$\begin{aligned}
L_{440} &= \begin{bmatrix} 1060 \\ 0120 \end{bmatrix} = \mathbf{PI}(1, 0, 2, 0, 0, 6) \\
L_{441} &= \begin{bmatrix} 1060 \\ 0130 \end{bmatrix} = \mathbf{PI}(1, 0, 3, 0, 0, 6) \\
L_{442} &= \begin{bmatrix} 1060 \\ 0140 \end{bmatrix} = \mathbf{PI}(1, 0, 4, 0, 0, 6) \\
L_{443} &= \begin{bmatrix} 1060 \\ 0150 \end{bmatrix} = \mathbf{PI}(1, 0, 5, 0, 0, 6) \\
L_{444} &= \begin{bmatrix} 1060 \\ 0160 \end{bmatrix} = \mathbf{PI}(1, 0, 6, 0, 0, 6) \\
L_{445} &= \begin{bmatrix} 1060 \\ 0170 \end{bmatrix} = \mathbf{PI}(1, 0, 7, 0, 0, 6) \\
L_{446} &= \begin{bmatrix} 1060 \\ 0101 \end{bmatrix} = \mathbf{PI}(1, 6, 0, 0, 1, 6) \\
L_{447} &= \begin{bmatrix} 1060 \\ 0111 \end{bmatrix} = \mathbf{PI}(1, 6, 1, 0, 1, 6) \\
L_{448} &= \begin{bmatrix} 1060 \\ 0121 \end{bmatrix} = \mathbf{PI}(1, 6, 2, 0, 1, 6) \\
L_{449} &= \begin{bmatrix} 1060 \\ 0131 \end{bmatrix} = \mathbf{PI}(1, 6, 3, 0, 1, 6) \\
L_{450} &= \begin{bmatrix} 1060 \\ 0141 \end{bmatrix} = \mathbf{PI}(1, 6, 4, 0, 1, 6) \\
L_{451} &= \begin{bmatrix} 1060 \\ 0151 \end{bmatrix} = \mathbf{PI}(1, 6, 5, 0, 1, 6) \\
L_{452} &= \begin{bmatrix} 1060 \\ 0161 \end{bmatrix} = \mathbf{PI}(1, 6, 6, 0, 1, 6) \\
L_{453} &= \begin{bmatrix} 1060 \\ 0171 \end{bmatrix} = \mathbf{PI}(1, 6, 7, 0, 1, 6) \\
L_{454} &= \begin{bmatrix} 1060 \\ 0102 \end{bmatrix} = \mathbf{PI}(1, 1, 0, 0, 2, 6) \\
L_{455} &= \begin{bmatrix} 1060 \\ 0112 \end{bmatrix} = \mathbf{PI}(1, 1, 1, 0, 2, 6) \\
L_{456} &= \begin{bmatrix} 1060 \\ 0122 \end{bmatrix} = \mathbf{PI}(1, 1, 2, 0, 2, 6) \\
L_{457} &= \begin{bmatrix} 1060 \\ 0132 \end{bmatrix} = \mathbf{PI}(1, 1, 3, 0, 2, 6) \\
L_{458} &= \begin{bmatrix} 1060 \\ 0142 \end{bmatrix} = \mathbf{PI}(1, 1, 4, 0, 2, 6) \\
L_{459} &= \begin{bmatrix} 1060 \\ 0152 \end{bmatrix} = \mathbf{PI}(1, 1, 5, 0, 2, 6) \\
L_{460} &= \begin{bmatrix} 1060 \\ 0162 \end{bmatrix} = \mathbf{PI}(1, 1, 6, 0, 2, 6)
\end{aligned}$$

$$\begin{aligned}
L_{461} &= \begin{bmatrix} 1060 \\ 0172 \end{bmatrix} = \mathbf{PI}(1, 1, 7, 0, 2, 6) \\
L_{462} &= \begin{bmatrix} 1060 \\ 0103 \end{bmatrix} = \mathbf{PI}(1, 7, 0, 0, 3, 6) \\
L_{463} &= \begin{bmatrix} 1060 \\ 0113 \end{bmatrix} = \mathbf{PI}(1, 7, 1, 0, 3, 6) \\
L_{464} &= \begin{bmatrix} 1060 \\ 0123 \end{bmatrix} = \mathbf{PI}(1, 7, 2, 0, 3, 6) \\
L_{465} &= \begin{bmatrix} 1060 \\ 0133 \end{bmatrix} = \mathbf{PI}(1, 7, 3, 0, 3, 6) \\
L_{466} &= \begin{bmatrix} 1060 \\ 0143 \end{bmatrix} = \mathbf{PI}(1, 7, 4, 0, 3, 6) \\
L_{467} &= \begin{bmatrix} 1060 \\ 0153 \end{bmatrix} = \mathbf{PI}(1, 7, 5, 0, 3, 6) \\
L_{468} &= \begin{bmatrix} 1060 \\ 0163 \end{bmatrix} = \mathbf{PI}(1, 7, 6, 0, 3, 6) \\
L_{469} &= \begin{bmatrix} 1060 \\ 0173 \end{bmatrix} = \mathbf{PI}(1, 7, 7, 0, 3, 6) \\
L_{470} &= \begin{bmatrix} 1060 \\ 0104 \end{bmatrix} = \mathbf{PI}(1, 2, 0, 0, 4, 6) \\
L_{471} &= \begin{bmatrix} 1060 \\ 0114 \end{bmatrix} = \mathbf{PI}(1, 2, 1, 0, 4, 6) \\
L_{472} &= \begin{bmatrix} 1060 \\ 0124 \end{bmatrix} = \mathbf{PI}(1, 2, 2, 0, 4, 6) \\
L_{473} &= \begin{bmatrix} 1060 \\ 0134 \end{bmatrix} = \mathbf{PI}(1, 2, 3, 0, 4, 6) \\
L_{474} &= \begin{bmatrix} 1060 \\ 0144 \end{bmatrix} = \mathbf{PI}(1, 2, 4, 0, 4, 6) \\
L_{475} &= \begin{bmatrix} 1060 \\ 0154 \end{bmatrix} = \mathbf{PI}(1, 2, 5, 0, 4, 6) \\
L_{476} &= \begin{bmatrix} 1060 \\ 0164 \end{bmatrix} = \mathbf{PI}(1, 2, 6, 0, 4, 6) \\
L_{477} &= \begin{bmatrix} 1060 \\ 0174 \end{bmatrix} = \mathbf{PI}(1, 2, 7, 0, 4, 6) \\
L_{478} &= \begin{bmatrix} 1060 \\ 0105 \end{bmatrix} = \mathbf{PI}(1, 4, 0, 0, 5, 6) \\
L_{479} &= \begin{bmatrix} 1060 \\ 0115 \end{bmatrix} = \mathbf{PI}(1, 4, 1, 0, 5, 6) \\
L_{480} &= \begin{bmatrix} 1060 \\ 0125 \end{bmatrix} = \mathbf{PI}(1, 4, 2, 0, 5, 6) \\
L_{481} &= \begin{bmatrix} 1060 \\ 0135 \end{bmatrix} = \mathbf{PI}(1, 4, 3, 0, 5, 6)
\end{aligned}$$

$$\begin{aligned}
L_{482} &= \begin{bmatrix} 1060 \\ 0145 \end{bmatrix} = \mathbf{PI}(1, 4, 4, 0, 5, 6) \\
L_{483} &= \begin{bmatrix} 1060 \\ 0155 \end{bmatrix} = \mathbf{PI}(1, 4, 5, 0, 5, 6) \\
L_{484} &= \begin{bmatrix} 1060 \\ 0165 \end{bmatrix} = \mathbf{PI}(1, 4, 6, 0, 5, 6) \\
L_{485} &= \begin{bmatrix} 1060 \\ 0175 \end{bmatrix} = \mathbf{PI}(1, 4, 7, 0, 5, 6) \\
L_{486} &= \begin{bmatrix} 1060 \\ 0106 \end{bmatrix} = \mathbf{PI}(1, 3, 0, 0, 6, 6) \\
L_{487} &= \begin{bmatrix} 1060 \\ 0116 \end{bmatrix} = \mathbf{PI}(1, 3, 1, 0, 6, 6) \\
L_{488} &= \begin{bmatrix} 1060 \\ 0126 \end{bmatrix} = \mathbf{PI}(1, 3, 2, 0, 6, 6) \\
L_{489} &= \begin{bmatrix} 1060 \\ 0136 \end{bmatrix} = \mathbf{PI}(1, 3, 3, 0, 6, 6) \\
L_{490} &= \begin{bmatrix} 1060 \\ 0146 \end{bmatrix} = \mathbf{PI}(1, 3, 4, 0, 6, 6) \\
L_{491} &= \begin{bmatrix} 1060 \\ 0156 \end{bmatrix} = \mathbf{PI}(1, 3, 5, 0, 6, 6) \\
L_{492} &= \begin{bmatrix} 1060 \\ 0166 \end{bmatrix} = \mathbf{PI}(1, 3, 6, 0, 6, 6) \\
L_{493} &= \begin{bmatrix} 1060 \\ 0176 \end{bmatrix} = \mathbf{PI}(1, 3, 7, 0, 6, 6) \\
L_{494} &= \begin{bmatrix} 1060 \\ 0107 \end{bmatrix} = \mathbf{PI}(1, 5, 0, 0, 7, 6) \\
L_{495} &= \begin{bmatrix} 1060 \\ 0117 \end{bmatrix} = \mathbf{PI}(1, 5, 1, 0, 7, 6) \\
L_{496} &= \begin{bmatrix} 1060 \\ 0127 \end{bmatrix} = \mathbf{PI}(1, 5, 2, 0, 7, 6) \\
L_{497} &= \begin{bmatrix} 1060 \\ 0137 \end{bmatrix} = \mathbf{PI}(1, 5, 3, 0, 7, 6) \\
L_{498} &= \begin{bmatrix} 1060 \\ 0147 \end{bmatrix} = \mathbf{PI}(1, 5, 4, 0, 7, 6) \\
L_{499} &= \begin{bmatrix} 1060 \\ 0157 \end{bmatrix} = \mathbf{PI}(1, 5, 5, 0, 7, 6) \\
L_{500} &= \begin{bmatrix} 1060 \\ 0167 \end{bmatrix} = \mathbf{PI}(1, 5, 6, 0, 7, 6) \\
L_{501} &= \begin{bmatrix} 1060 \\ 0177 \end{bmatrix} = \mathbf{PI}(1, 5, 7, 0, 7, 6) \\
L_{502} &= \begin{bmatrix} 1600 \\ 0010 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 0, 0, 6)
\end{aligned}$$

$$\begin{aligned}
L_{503} &= \begin{bmatrix} 1600 \\ 0011 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 6, 1, 6) \\
L_{504} &= \begin{bmatrix} 1600 \\ 0012 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 1, 2, 6) \\
L_{505} &= \begin{bmatrix} 1600 \\ 0013 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 7, 3, 6) \\
L_{506} &= \begin{bmatrix} 1600 \\ 0014 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 2, 4, 6) \\
L_{507} &= \begin{bmatrix} 1600 \\ 0015 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 4, 5, 6) \\
L_{508} &= \begin{bmatrix} 1600 \\ 0016 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 3, 6, 6) \\
L_{509} &= \begin{bmatrix} 1600 \\ 0017 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 5, 7, 6) \\
L_{510} &= \begin{bmatrix} 1600 \\ 0001 \end{bmatrix} = \mathbf{PI}(0, 0, 0, 6, 1, 0) \\
L_{511} &= \begin{bmatrix} 1070 \\ 0100 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 0, 0, 7) \\
L_{512} &= \begin{bmatrix} 1070 \\ 0110 \end{bmatrix} = \mathbf{PI}(1, 0, 1, 0, 0, 7) \\
L_{513} &= \begin{bmatrix} 1070 \\ 0120 \end{bmatrix} = \mathbf{PI}(1, 0, 2, 0, 0, 7) \\
L_{514} &= \begin{bmatrix} 1070 \\ 0130 \end{bmatrix} = \mathbf{PI}(1, 0, 3, 0, 0, 7) \\
L_{515} &= \begin{bmatrix} 1070 \\ 0140 \end{bmatrix} = \mathbf{PI}(1, 0, 4, 0, 0, 7) \\
L_{516} &= \begin{bmatrix} 1070 \\ 0150 \end{bmatrix} = \mathbf{PI}(1, 0, 5, 0, 0, 7) \\
L_{517} &= \begin{bmatrix} 1070 \\ 0160 \end{bmatrix} = \mathbf{PI}(1, 0, 6, 0, 0, 7) \\
L_{518} &= \begin{bmatrix} 1070 \\ 0170 \end{bmatrix} = \mathbf{PI}(1, 0, 7, 0, 0, 7) \\
L_{519} &= \begin{bmatrix} 1070 \\ 0101 \end{bmatrix} = \mathbf{PI}(1, 7, 0, 0, 1, 7) \\
L_{520} &= \begin{bmatrix} 1070 \\ 0111 \end{bmatrix} = \mathbf{PI}(1, 7, 1, 0, 1, 7) \\
L_{521} &= \begin{bmatrix} 1070 \\ 0121 \end{bmatrix} = \mathbf{PI}(1, 7, 2, 0, 1, 7) \\
L_{522} &= \begin{bmatrix} 1070 \\ 0131 \end{bmatrix} = \mathbf{PI}(1, 7, 3, 0, 1, 7) \\
L_{523} &= \begin{bmatrix} 1070 \\ 0141 \end{bmatrix} = \mathbf{PI}(1, 7, 4, 0, 1, 7)
\end{aligned}$$

$$\begin{aligned}
L_{524} &= \begin{bmatrix} 1070 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 0, 1, 7) \\
L_{525} &= \begin{bmatrix} 1070 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 0, 1, 7) \\
L_{526} &= \begin{bmatrix} 1070 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 0, 1, 7) \\
L_{527} &= \begin{bmatrix} 1070 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 0, 2, 7) \\
L_{528} &= \begin{bmatrix} 1070 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 0, 2, 7) \\
L_{529} &= \begin{bmatrix} 1070 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 0, 2, 7) \\
L_{530} &= \begin{bmatrix} 1070 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 0, 2, 7) \\
L_{531} &= \begin{bmatrix} 1070 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 0, 2, 7) \\
L_{532} &= \begin{bmatrix} 1070 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 0, 2, 7) \\
L_{533} &= \begin{bmatrix} 1070 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 0, 2, 7) \\
L_{534} &= \begin{bmatrix} 1070 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 0, 2, 7) \\
L_{535} &= \begin{bmatrix} 1070 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 0, 3, 7) \\
L_{536} &= \begin{bmatrix} 1070 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 0, 3, 7) \\
L_{537} &= \begin{bmatrix} 1070 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 0, 3, 7) \\
L_{538} &= \begin{bmatrix} 1070 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 0, 3, 7) \\
L_{539} &= \begin{bmatrix} 1070 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 0, 3, 7) \\
L_{540} &= \begin{bmatrix} 1070 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 0, 3, 7) \\
L_{541} &= \begin{bmatrix} 1070 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 0, 3, 7) \\
L_{542} &= \begin{bmatrix} 1070 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 0, 3, 7) \\
L_{543} &= \begin{bmatrix} 1070 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 0, 4, 7) \\
L_{544} &= \begin{bmatrix} 1070 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 0, 4, 7)
\end{aligned}$$

$$\begin{aligned}
L_{545} &= \begin{bmatrix} 1070 \\ 0124 \end{bmatrix} = \mathbf{PI}(1, 6, 2, 0, 4, 7) \\
L_{546} &= \begin{bmatrix} 1070 \\ 0134 \end{bmatrix} = \mathbf{PI}(1, 6, 3, 0, 4, 7) \\
L_{547} &= \begin{bmatrix} 1070 \\ 0144 \end{bmatrix} = \mathbf{PI}(1, 6, 4, 0, 4, 7) \\
L_{548} &= \begin{bmatrix} 1070 \\ 0154 \end{bmatrix} = \mathbf{PI}(1, 6, 5, 0, 4, 7) \\
L_{549} &= \begin{bmatrix} 1070 \\ 0164 \end{bmatrix} = \mathbf{PI}(1, 6, 6, 0, 4, 7) \\
L_{550} &= \begin{bmatrix} 1070 \\ 0174 \end{bmatrix} = \mathbf{PI}(1, 6, 7, 0, 4, 7) \\
L_{551} &= \begin{bmatrix} 1070 \\ 0105 \end{bmatrix} = \mathbf{PI}(1, 1, 0, 0, 5, 7) \\
L_{552} &= \begin{bmatrix} 1070 \\ 0115 \end{bmatrix} = \mathbf{PI}(1, 1, 1, 0, 5, 7) \\
L_{553} &= \begin{bmatrix} 1070 \\ 0125 \end{bmatrix} = \mathbf{PI}(1, 1, 2, 0, 5, 7) \\
L_{554} &= \begin{bmatrix} 1070 \\ 0135 \end{bmatrix} = \mathbf{PI}(1, 1, 3, 0, 5, 7) \\
L_{555} &= \begin{bmatrix} 1070 \\ 0145 \end{bmatrix} = \mathbf{PI}(1, 1, 4, 0, 5, 7) \\
L_{556} &= \begin{bmatrix} 1070 \\ 0155 \end{bmatrix} = \mathbf{PI}(1, 1, 5, 0, 5, 7) \\
L_{557} &= \begin{bmatrix} 1070 \\ 0165 \end{bmatrix} = \mathbf{PI}(1, 1, 6, 0, 5, 7) \\
L_{558} &= \begin{bmatrix} 1070 \\ 0175 \end{bmatrix} = \mathbf{PI}(1, 1, 7, 0, 5, 7) \\
L_{559} &= \begin{bmatrix} 1070 \\ 0106 \end{bmatrix} = \mathbf{PI}(1, 5, 0, 0, 6, 7) \\
L_{560} &= \begin{bmatrix} 1070 \\ 0116 \end{bmatrix} = \mathbf{PI}(1, 5, 1, 0, 6, 7) \\
L_{561} &= \begin{bmatrix} 1070 \\ 0126 \end{bmatrix} = \mathbf{PI}(1, 5, 2, 0, 6, 7) \\
L_{562} &= \begin{bmatrix} 1070 \\ 0136 \end{bmatrix} = \mathbf{PI}(1, 5, 3, 0, 6, 7) \\
L_{563} &= \begin{bmatrix} 1070 \\ 0146 \end{bmatrix} = \mathbf{PI}(1, 5, 4, 0, 6, 7) \\
L_{564} &= \begin{bmatrix} 1070 \\ 0156 \end{bmatrix} = \mathbf{PI}(1, 5, 5, 0, 6, 7) \\
L_{565} &= \begin{bmatrix} 1070 \\ 0166 \end{bmatrix} = \mathbf{PI}(1, 5, 6, 0, 6, 7)
\end{aligned}$$

$$\begin{aligned}
L_{566} &= \begin{bmatrix} 1070 \\ 0176 \end{bmatrix} = \mathbf{PI}(1, 5, 7, 0, 6, 7) \\
L_{567} &= \begin{bmatrix} 1070 \\ 0107 \end{bmatrix} = \mathbf{PI}(1, 2, 0, 0, 7, 7) \\
L_{568} &= \begin{bmatrix} 1070 \\ 0117 \end{bmatrix} = \mathbf{PI}(1, 2, 1, 0, 7, 7) \\
L_{569} &= \begin{bmatrix} 1070 \\ 0127 \end{bmatrix} = \mathbf{PI}(1, 2, 2, 0, 7, 7) \\
L_{570} &= \begin{bmatrix} 1070 \\ 0137 \end{bmatrix} = \mathbf{PI}(1, 2, 3, 0, 7, 7) \\
L_{571} &= \begin{bmatrix} 1070 \\ 0147 \end{bmatrix} = \mathbf{PI}(1, 2, 4, 0, 7, 7) \\
L_{572} &= \begin{bmatrix} 1070 \\ 0157 \end{bmatrix} = \mathbf{PI}(1, 2, 5, 0, 7, 7) \\
L_{573} &= \begin{bmatrix} 1070 \\ 0167 \end{bmatrix} = \mathbf{PI}(1, 2, 6, 0, 7, 7) \\
L_{574} &= \begin{bmatrix} 1070 \\ 0177 \end{bmatrix} = \mathbf{PI}(1, 2, 7, 0, 7, 7) \\
L_{575} &= \begin{bmatrix} 1700 \\ 0010 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 0, 0, 7) \\
L_{576} &= \begin{bmatrix} 1700 \\ 0011 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 7, 1, 7) \\
L_{577} &= \begin{bmatrix} 1700 \\ 0012 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 3, 2, 7) \\
L_{578} &= \begin{bmatrix} 1700 \\ 0013 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 4, 3, 7) \\
L_{579} &= \begin{bmatrix} 1700 \\ 0014 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 6, 4, 7) \\
L_{580} &= \begin{bmatrix} 1700 \\ 0015 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 1, 5, 7) \\
L_{581} &= \begin{bmatrix} 1700 \\ 0016 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 5, 6, 7) \\
L_{582} &= \begin{bmatrix} 1700 \\ 0017 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 2, 7, 7) \\
L_{583} &= \begin{bmatrix} 1700 \\ 0001 \end{bmatrix} = \mathbf{PI}(0, 0, 0, 7, 1, 0) \\
L_{584} &= \begin{bmatrix} 1001 \\ 0100 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 1, 0, 0) \\
L_{585} &= \begin{bmatrix} 1001 \\ 0110 \end{bmatrix} = \mathbf{PI}(1, 1, 1, 1, 0, 0) \\
L_{586} &= \begin{bmatrix} 1001 \\ 0120 \end{bmatrix} = \mathbf{PI}(1, 2, 2, 1, 0, 0)
\end{aligned}$$

$$\begin{aligned}
L_{587} &= \begin{bmatrix} 1001 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 1, 0, 0) \\
L_{588} &= \begin{bmatrix} 1001 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 1, 0, 0) \\
L_{589} &= \begin{bmatrix} 1001 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 1, 0, 0) \\
L_{590} &= \begin{bmatrix} 1001 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 1, 0, 0) \\
L_{591} &= \begin{bmatrix} 1001 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 1, 0, 0) \\
L_{592} &= \begin{bmatrix} 1001 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 1, 1, 0) \\
L_{593} &= \begin{bmatrix} 1001 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 1, 1, 0) \\
L_{594} &= \begin{bmatrix} 1001 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 1, 1, 0) \\
L_{595} &= \begin{bmatrix} 1001 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 1, 1, 0) \\
L_{596} &= \begin{bmatrix} 1001 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 1, 1, 0) \\
L_{597} &= \begin{bmatrix} 1001 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 1, 1, 0) \\
L_{598} &= \begin{bmatrix} 1001 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 1, 1, 0) \\
L_{599} &= \begin{bmatrix} 1001 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 1, 1, 0) \\
L_{600} &= \begin{bmatrix} 1001 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 1, 2, 0) \\
L_{601} &= \begin{bmatrix} 1001 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 1, 2, 0) \\
L_{602} &= \begin{bmatrix} 1001 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 1, 2, 0) \\
L_{603} &= \begin{bmatrix} 1001 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 1, 2, 0) \\
L_{604} &= \begin{bmatrix} 1001 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 1, 2, 0) \\
L_{605} &= \begin{bmatrix} 1001 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 1, 2, 0) \\
L_{606} &= \begin{bmatrix} 1001 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 1, 2, 0) \\
L_{607} &= \begin{bmatrix} 1001 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 1, 2, 0)
\end{aligned}$$



$$\begin{aligned}
L_{608} &= \begin{bmatrix} 1001 \\ 0103 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 1, 3, 0) \\
L_{609} &= \begin{bmatrix} 1001 \\ 0113 \end{bmatrix} = \mathbf{PI}(1, 1, 1, 1, 3, 0) \\
L_{610} &= \begin{bmatrix} 1001 \\ 0123 \end{bmatrix} = \mathbf{PI}(1, 2, 2, 1, 3, 0) \\
L_{611} &= \begin{bmatrix} 1001 \\ 0133 \end{bmatrix} = \mathbf{PI}(1, 3, 3, 1, 3, 0) \\
L_{612} &= \begin{bmatrix} 1001 \\ 0143 \end{bmatrix} = \mathbf{PI}(1, 4, 4, 1, 3, 0) \\
L_{613} &= \begin{bmatrix} 1001 \\ 0153 \end{bmatrix} = \mathbf{PI}(1, 5, 5, 1, 3, 0) \\
L_{614} &= \begin{bmatrix} 1001 \\ 0163 \end{bmatrix} = \mathbf{PI}(1, 6, 6, 1, 3, 0) \\
L_{615} &= \begin{bmatrix} 1001 \\ 0173 \end{bmatrix} = \mathbf{PI}(1, 7, 7, 1, 3, 0) \\
L_{616} &= \begin{bmatrix} 1001 \\ 0104 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 1, 4, 0) \\
L_{617} &= \begin{bmatrix} 1001 \\ 0114 \end{bmatrix} = \mathbf{PI}(1, 1, 1, 1, 4, 0) \\
L_{618} &= \begin{bmatrix} 1001 \\ 0124 \end{bmatrix} = \mathbf{PI}(1, 2, 2, 1, 4, 0) \\
L_{619} &= \begin{bmatrix} 1001 \\ 0134 \end{bmatrix} = \mathbf{PI}(1, 3, 3, 1, 4, 0) \\
L_{620} &= \begin{bmatrix} 1001 \\ 0144 \end{bmatrix} = \mathbf{PI}(1, 4, 4, 1, 4, 0) \\
L_{621} &= \begin{bmatrix} 1001 \\ 0154 \end{bmatrix} = \mathbf{PI}(1, 5, 5, 1, 4, 0) \\
L_{622} &= \begin{bmatrix} 1001 \\ 0164 \end{bmatrix} = \mathbf{PI}(1, 6, 6, 1, 4, 0) \\
L_{623} &= \begin{bmatrix} 1001 \\ 0174 \end{bmatrix} = \mathbf{PI}(1, 7, 7, 1, 4, 0) \\
L_{624} &= \begin{bmatrix} 1001 \\ 0105 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 1, 5, 0) \\
L_{625} &= \begin{bmatrix} 1001 \\ 0115 \end{bmatrix} = \mathbf{PI}(1, 1, 1, 1, 5, 0) \\
L_{626} &= \begin{bmatrix} 1001 \\ 0125 \end{bmatrix} = \mathbf{PI}(1, 2, 2, 1, 5, 0) \\
L_{627} &= \begin{bmatrix} 1001 \\ 0135 \end{bmatrix} = \mathbf{PI}(1, 3, 3, 1, 5, 0) \\
L_{628} &= \begin{bmatrix} 1001 \\ 0145 \end{bmatrix} = \mathbf{PI}(1, 4, 4, 1, 5, 0)
\end{aligned}$$

$$\begin{aligned}
L_{629} &= \begin{bmatrix} 1001 \\ 0155 \end{bmatrix} = \mathbf{PI}(1, 5, 5, 1, 5, 0) \\
L_{630} &= \begin{bmatrix} 1001 \\ 0165 \end{bmatrix} = \mathbf{PI}(1, 6, 6, 1, 5, 0) \\
L_{631} &= \begin{bmatrix} 1001 \\ 0175 \end{bmatrix} = \mathbf{PI}(1, 7, 7, 1, 5, 0) \\
L_{632} &= \begin{bmatrix} 1001 \\ 0106 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 1, 6, 0) \\
L_{633} &= \begin{bmatrix} 1001 \\ 0116 \end{bmatrix} = \mathbf{PI}(1, 1, 1, 1, 6, 0) \\
L_{634} &= \begin{bmatrix} 1001 \\ 0126 \end{bmatrix} = \mathbf{PI}(1, 2, 2, 1, 6, 0) \\
L_{635} &= \begin{bmatrix} 1001 \\ 0136 \end{bmatrix} = \mathbf{PI}(1, 3, 3, 1, 6, 0) \\
L_{636} &= \begin{bmatrix} 1001 \\ 0146 \end{bmatrix} = \mathbf{PI}(1, 4, 4, 1, 6, 0) \\
L_{637} &= \begin{bmatrix} 1001 \\ 0156 \end{bmatrix} = \mathbf{PI}(1, 5, 5, 1, 6, 0) \\
L_{638} &= \begin{bmatrix} 1001 \\ 0166 \end{bmatrix} = \mathbf{PI}(1, 6, 6, 1, 6, 0) \\
L_{639} &= \begin{bmatrix} 1001 \\ 0176 \end{bmatrix} = \mathbf{PI}(1, 7, 7, 1, 6, 0) \\
L_{640} &= \begin{bmatrix} 1001 \\ 0107 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 1, 7, 0) \\
L_{641} &= \begin{bmatrix} 1001 \\ 0117 \end{bmatrix} = \mathbf{PI}(1, 1, 1, 1, 7, 0) \\
L_{642} &= \begin{bmatrix} 1001 \\ 0127 \end{bmatrix} = \mathbf{PI}(1, 2, 2, 1, 7, 0) \\
L_{643} &= \begin{bmatrix} 1001 \\ 0137 \end{bmatrix} = \mathbf{PI}(1, 3, 3, 1, 7, 0) \\
L_{644} &= \begin{bmatrix} 1001 \\ 0147 \end{bmatrix} = \mathbf{PI}(1, 4, 4, 1, 7, 0) \\
L_{645} &= \begin{bmatrix} 1001 \\ 0157 \end{bmatrix} = \mathbf{PI}(1, 5, 5, 1, 7, 0) \\
L_{646} &= \begin{bmatrix} 1001 \\ 0167 \end{bmatrix} = \mathbf{PI}(1, 6, 6, 1, 7, 0) \\
L_{647} &= \begin{bmatrix} 1001 \\ 0177 \end{bmatrix} = \mathbf{PI}(1, 7, 7, 1, 7, 0) \\
L_{648} &= \begin{bmatrix} 1001 \\ 0010 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 0, 0, 0) \\
L_{649} &= \begin{bmatrix} 1001 \\ 0011 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 0, 1, 0)
\end{aligned}$$

$$\begin{aligned}
L_{650} &= \begin{bmatrix} 1001 \\ 0012 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 0, 2, 0) \\
L_{651} &= \begin{bmatrix} 1001 \\ 0013 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 0, 3, 0) \\
L_{652} &= \begin{bmatrix} 1001 \\ 0014 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 0, 4, 0) \\
L_{653} &= \begin{bmatrix} 1001 \\ 0015 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 0, 5, 0) \\
L_{654} &= \begin{bmatrix} 1001 \\ 0016 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 0, 6, 0) \\
L_{655} &= \begin{bmatrix} 1001 \\ 0017 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 0, 7, 0) \\
L_{656} &= \begin{bmatrix} 1010 \\ 0001 \end{bmatrix} = \mathbf{PI}(0, 1, 0, 0, 1, 0) \\
L_{657} &= \begin{bmatrix} 1011 \\ 0100 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 1, 0, 1) \\
L_{658} &= \begin{bmatrix} 1011 \\ 0110 \end{bmatrix} = \mathbf{PI}(1, 1, 1, 1, 0, 1) \\
L_{659} &= \begin{bmatrix} 1011 \\ 0120 \end{bmatrix} = \mathbf{PI}(1, 2, 2, 1, 0, 1) \\
L_{660} &= \begin{bmatrix} 1011 \\ 0130 \end{bmatrix} = \mathbf{PI}(1, 3, 3, 1, 0, 1) \\
L_{661} &= \begin{bmatrix} 1011 \\ 0140 \end{bmatrix} = \mathbf{PI}(1, 4, 4, 1, 0, 1) \\
L_{662} &= \begin{bmatrix} 1011 \\ 0150 \end{bmatrix} = \mathbf{PI}(1, 5, 5, 1, 0, 1) \\
L_{663} &= \begin{bmatrix} 1011 \\ 0160 \end{bmatrix} = \mathbf{PI}(1, 6, 6, 1, 0, 1) \\
L_{664} &= \begin{bmatrix} 1011 \\ 0170 \end{bmatrix} = \mathbf{PI}(1, 7, 7, 1, 0, 1) \\
L_{665} &= \begin{bmatrix} 1011 \\ 0101 \end{bmatrix} = \mathbf{PI}(1, 1, 0, 1, 1, 1) \\
L_{666} &= \begin{bmatrix} 1011 \\ 0111 \end{bmatrix} = \mathbf{PI}(1, 0, 1, 1, 1, 1) \\
L_{667} &= \begin{bmatrix} 1011 \\ 0121 \end{bmatrix} = \mathbf{PI}(1, 3, 2, 1, 1, 1) \\
L_{668} &= \begin{bmatrix} 1011 \\ 0131 \end{bmatrix} = \mathbf{PI}(1, 2, 3, 1, 1, 1) \\
L_{669} &= \begin{bmatrix} 1011 \\ 0141 \end{bmatrix} = \mathbf{PI}(1, 5, 4, 1, 1, 1) \\
L_{670} &= \begin{bmatrix} 1011 \\ 0151 \end{bmatrix} = \mathbf{PI}(1, 4, 5, 1, 1, 1)
\end{aligned}$$

$$\begin{aligned}
L_{671} &= \begin{bmatrix} 1011 \\ 0161 \end{bmatrix} = \mathbf{PI}(1, 7, 6, 1, 1, 1) \\
L_{672} &= \begin{bmatrix} 1011 \\ 0171 \end{bmatrix} = \mathbf{PI}(1, 6, 7, 1, 1, 1) \\
L_{673} &= \begin{bmatrix} 1011 \\ 0102 \end{bmatrix} = \mathbf{PI}(1, 2, 0, 1, 2, 1) \\
L_{674} &= \begin{bmatrix} 1011 \\ 0112 \end{bmatrix} = \mathbf{PI}(1, 3, 1, 1, 2, 1) \\
L_{675} &= \begin{bmatrix} 1011 \\ 0122 \end{bmatrix} = \mathbf{PI}(1, 0, 2, 1, 2, 1) \\
L_{676} &= \begin{bmatrix} 1011 \\ 0132 \end{bmatrix} = \mathbf{PI}(1, 1, 3, 1, 2, 1) \\
L_{677} &= \begin{bmatrix} 1011 \\ 0142 \end{bmatrix} = \mathbf{PI}(1, 6, 4, 1, 2, 1) \\
L_{678} &= \begin{bmatrix} 1011 \\ 0152 \end{bmatrix} = \mathbf{PI}(1, 7, 5, 1, 2, 1) \\
L_{679} &= \begin{bmatrix} 1011 \\ 0162 \end{bmatrix} = \mathbf{PI}(1, 4, 6, 1, 2, 1) \\
L_{680} &= \begin{bmatrix} 1011 \\ 0172 \end{bmatrix} = \mathbf{PI}(1, 5, 7, 1, 2, 1) \\
L_{681} &= \begin{bmatrix} 1011 \\ 0103 \end{bmatrix} = \mathbf{PI}(1, 3, 0, 1, 3, 1) \\
L_{682} &= \begin{bmatrix} 1011 \\ 0113 \end{bmatrix} = \mathbf{PI}(1, 2, 1, 1, 3, 1) \\
L_{683} &= \begin{bmatrix} 1011 \\ 0123 \end{bmatrix} = \mathbf{PI}(1, 1, 2, 1, 3, 1) \\
L_{684} &= \begin{bmatrix} 1011 \\ 0133 \end{bmatrix} = \mathbf{PI}(1, 0, 3, 1, 3, 1) \\
L_{685} &= \begin{bmatrix} 1011 \\ 0143 \end{bmatrix} = \mathbf{PI}(1, 7, 4, 1, 3, 1) \\
L_{686} &= \begin{bmatrix} 1011 \\ 0153 \end{bmatrix} = \mathbf{PI}(1, 6, 5, 1, 3, 1) \\
L_{687} &= \begin{bmatrix} 1011 \\ 0163 \end{bmatrix} = \mathbf{PI}(1, 5, 6, 1, 3, 1) \\
L_{688} &= \begin{bmatrix} 1011 \\ 0173 \end{bmatrix} = \mathbf{PI}(1, 4, 7, 1, 3, 1) \\
L_{689} &= \begin{bmatrix} 1011 \\ 0104 \end{bmatrix} = \mathbf{PI}(1, 4, 0, 1, 4, 1) \\
L_{690} &= \begin{bmatrix} 1011 \\ 0114 \end{bmatrix} = \mathbf{PI}(1, 5, 1, 1, 4, 1) \\
L_{691} &= \begin{bmatrix} 1011 \\ 0124 \end{bmatrix} = \mathbf{PI}(1, 6, 2, 1, 4, 1)
\end{aligned}$$

$$\begin{aligned}
L_{692} &= \begin{bmatrix} 1011 \\ 0134 \end{bmatrix} = \mathbf{PI}(1, 7, 3, 1, 4, 1) \\
L_{693} &= \begin{bmatrix} 1011 \\ 0144 \end{bmatrix} = \mathbf{PI}(1, 0, 4, 1, 4, 1) \\
L_{694} &= \begin{bmatrix} 1011 \\ 0154 \end{bmatrix} = \mathbf{PI}(1, 1, 5, 1, 4, 1) \\
L_{695} &= \begin{bmatrix} 1011 \\ 0164 \end{bmatrix} = \mathbf{PI}(1, 2, 6, 1, 4, 1) \\
L_{696} &= \begin{bmatrix} 1011 \\ 0174 \end{bmatrix} = \mathbf{PI}(1, 3, 7, 1, 4, 1) \\
L_{697} &= \begin{bmatrix} 1011 \\ 0105 \end{bmatrix} = \mathbf{PI}(1, 5, 0, 1, 5, 1) \\
L_{698} &= \begin{bmatrix} 1011 \\ 0115 \end{bmatrix} = \mathbf{PI}(1, 4, 1, 1, 5, 1) \\
L_{699} &= \begin{bmatrix} 1011 \\ 0125 \end{bmatrix} = \mathbf{PI}(1, 7, 2, 1, 5, 1) \\
L_{700} &= \begin{bmatrix} 1011 \\ 0135 \end{bmatrix} = \mathbf{PI}(1, 6, 3, 1, 5, 1) \\
L_{701} &= \begin{bmatrix} 1011 \\ 0145 \end{bmatrix} = \mathbf{PI}(1, 1, 4, 1, 5, 1) \\
L_{702} &= \begin{bmatrix} 1011 \\ 0155 \end{bmatrix} = \mathbf{PI}(1, 0, 5, 1, 5, 1) \\
L_{703} &= \begin{bmatrix} 1011 \\ 0165 \end{bmatrix} = \mathbf{PI}(1, 3, 6, 1, 5, 1) \\
L_{704} &= \begin{bmatrix} 1011 \\ 0175 \end{bmatrix} = \mathbf{PI}(1, 2, 7, 1, 5, 1) \\
L_{705} &= \begin{bmatrix} 1011 \\ 0106 \end{bmatrix} = \mathbf{PI}(1, 6, 0, 1, 6, 1) \\
L_{706} &= \begin{bmatrix} 1011 \\ 0116 \end{bmatrix} = \mathbf{PI}(1, 7, 1, 1, 6, 1) \\
L_{707} &= \begin{bmatrix} 1011 \\ 0126 \end{bmatrix} = \mathbf{PI}(1, 4, 2, 1, 6, 1) \\
L_{708} &= \begin{bmatrix} 1011 \\ 0136 \end{bmatrix} = \mathbf{PI}(1, 5, 3, 1, 6, 1) \\
L_{709} &= \begin{bmatrix} 1011 \\ 0146 \end{bmatrix} = \mathbf{PI}(1, 2, 4, 1, 6, 1) \\
L_{710} &= \begin{bmatrix} 1011 \\ 0156 \end{bmatrix} = \mathbf{PI}(1, 3, 5, 1, 6, 1) \\
L_{711} &= \begin{bmatrix} 1011 \\ 0166 \end{bmatrix} = \mathbf{PI}(1, 0, 6, 1, 6, 1) \\
L_{712} &= \begin{bmatrix} 1011 \\ 0176 \end{bmatrix} = \mathbf{PI}(1, 1, 7, 1, 6, 1)
\end{aligned}$$

$$\begin{aligned}
L_{713} &= \begin{bmatrix} 1011 \\ 0107 \end{bmatrix} = \mathbf{PI}(1, 7, 0, 1, 7, 1) \\
L_{714} &= \begin{bmatrix} 1011 \\ 0117 \end{bmatrix} = \mathbf{PI}(1, 6, 1, 1, 7, 1) \\
L_{715} &= \begin{bmatrix} 1011 \\ 0127 \end{bmatrix} = \mathbf{PI}(1, 5, 2, 1, 7, 1) \\
L_{716} &= \begin{bmatrix} 1011 \\ 0137 \end{bmatrix} = \mathbf{PI}(1, 4, 3, 1, 7, 1) \\
L_{717} &= \begin{bmatrix} 1011 \\ 0147 \end{bmatrix} = \mathbf{PI}(1, 3, 4, 1, 7, 1) \\
L_{718} &= \begin{bmatrix} 1011 \\ 0157 \end{bmatrix} = \mathbf{PI}(1, 2, 5, 1, 7, 1) \\
L_{719} &= \begin{bmatrix} 1011 \\ 0167 \end{bmatrix} = \mathbf{PI}(1, 1, 6, 1, 7, 1) \\
L_{720} &= \begin{bmatrix} 1011 \\ 0177 \end{bmatrix} = \mathbf{PI}(1, 0, 7, 1, 7, 1) \\
L_{721} &= \begin{bmatrix} 1101 \\ 0010 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 0, 0, 1) \\
L_{722} &= \begin{bmatrix} 1101 \\ 0011 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 1, 1, 1) \\
L_{723} &= \begin{bmatrix} 1101 \\ 0012 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 2, 2, 1) \\
L_{724} &= \begin{bmatrix} 1101 \\ 0013 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 3, 3, 1) \\
L_{725} &= \begin{bmatrix} 1101 \\ 0014 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 4, 4, 1) \\
L_{726} &= \begin{bmatrix} 1101 \\ 0015 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 5, 5, 1) \\
L_{727} &= \begin{bmatrix} 1101 \\ 0016 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 6, 6, 1) \\
L_{728} &= \begin{bmatrix} 1101 \\ 0017 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 7, 7, 1) \\
L_{729} &= \begin{bmatrix} 1110 \\ 0001 \end{bmatrix} = \mathbf{PI}(0, 1, 0, 1, 1, 0) \\
L_{730} &= \begin{bmatrix} 1021 \\ 0100 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 1, 0, 2) \\
L_{731} &= \begin{bmatrix} 1021 \\ 0110 \end{bmatrix} = \mathbf{PI}(1, 1, 1, 1, 0, 2) \\
L_{732} &= \begin{bmatrix} 1021 \\ 0120 \end{bmatrix} = \mathbf{PI}(1, 2, 2, 1, 0, 2) \\
L_{733} &= \begin{bmatrix} 1021 \\ 0130 \end{bmatrix} = \mathbf{PI}(1, 3, 3, 1, 0, 2)
\end{aligned}$$

$$\begin{aligned}
L_{734} &= \begin{bmatrix} 1021 \\ 0140 \end{bmatrix} = \mathbf{PI}(1, 4, 4, 1, 0, 2) \\
L_{735} &= \begin{bmatrix} 1021 \\ 0150 \end{bmatrix} = \mathbf{PI}(1, 5, 5, 1, 0, 2) \\
L_{736} &= \begin{bmatrix} 1021 \\ 0160 \end{bmatrix} = \mathbf{PI}(1, 6, 6, 1, 0, 2) \\
L_{737} &= \begin{bmatrix} 1021 \\ 0170 \end{bmatrix} = \mathbf{PI}(1, 7, 7, 1, 0, 2) \\
L_{738} &= \begin{bmatrix} 1021 \\ 0101 \end{bmatrix} = \mathbf{PI}(1, 2, 0, 1, 1, 2) \\
L_{739} &= \begin{bmatrix} 1021 \\ 0111 \end{bmatrix} = \mathbf{PI}(1, 3, 1, 1, 1, 2) \\
L_{740} &= \begin{bmatrix} 1021 \\ 0121 \end{bmatrix} = \mathbf{PI}(1, 0, 2, 1, 1, 2) \\
L_{741} &= \begin{bmatrix} 1021 \\ 0131 \end{bmatrix} = \mathbf{PI}(1, 1, 3, 1, 1, 2) \\
L_{742} &= \begin{bmatrix} 1021 \\ 0141 \end{bmatrix} = \mathbf{PI}(1, 6, 4, 1, 1, 2) \\
L_{743} &= \begin{bmatrix} 1021 \\ 0151 \end{bmatrix} = \mathbf{PI}(1, 7, 5, 1, 1, 2) \\
L_{744} &= \begin{bmatrix} 1021 \\ 0161 \end{bmatrix} = \mathbf{PI}(1, 4, 6, 1, 1, 2) \\
L_{745} &= \begin{bmatrix} 1021 \\ 0171 \end{bmatrix} = \mathbf{PI}(1, 5, 7, 1, 1, 2) \\
L_{746} &= \begin{bmatrix} 1021 \\ 0102 \end{bmatrix} = \mathbf{PI}(1, 4, 0, 1, 2, 2) \\
L_{747} &= \begin{bmatrix} 1021 \\ 0112 \end{bmatrix} = \mathbf{PI}(1, 5, 1, 1, 2, 2) \\
L_{748} &= \begin{bmatrix} 1021 \\ 0122 \end{bmatrix} = \mathbf{PI}(1, 6, 2, 1, 2, 2) \\
L_{749} &= \begin{bmatrix} 1021 \\ 0132 \end{bmatrix} = \mathbf{PI}(1, 7, 3, 1, 2, 2) \\
L_{750} &= \begin{bmatrix} 1021 \\ 0142 \end{bmatrix} = \mathbf{PI}(1, 0, 4, 1, 2, 2) \\
L_{751} &= \begin{bmatrix} 1021 \\ 0152 \end{bmatrix} = \mathbf{PI}(1, 1, 5, 1, 2, 2) \\
L_{752} &= \begin{bmatrix} 1021 \\ 0162 \end{bmatrix} = \mathbf{PI}(1, 2, 6, 1, 2, 2) \\
L_{753} &= \begin{bmatrix} 1021 \\ 0172 \end{bmatrix} = \mathbf{PI}(1, 3, 7, 1, 2, 2) \\
L_{754} &= \begin{bmatrix} 1021 \\ 0103 \end{bmatrix} = \mathbf{PI}(1, 6, 0, 1, 3, 2)
\end{aligned}$$

$$\begin{aligned}
L_{755} &= \begin{bmatrix} 1021 \\ 0113 \end{bmatrix} = \mathbf{PI}(1, 7, 1, 1, 3, 2) \\
L_{756} &= \begin{bmatrix} 1021 \\ 0123 \end{bmatrix} = \mathbf{PI}(1, 4, 2, 1, 3, 2) \\
L_{757} &= \begin{bmatrix} 1021 \\ 0133 \end{bmatrix} = \mathbf{PI}(1, 5, 3, 1, 3, 2) \\
L_{758} &= \begin{bmatrix} 1021 \\ 0143 \end{bmatrix} = \mathbf{PI}(1, 2, 4, 1, 3, 2) \\
L_{759} &= \begin{bmatrix} 1021 \\ 0153 \end{bmatrix} = \mathbf{PI}(1, 3, 5, 1, 3, 2) \\
L_{760} &= \begin{bmatrix} 1021 \\ 0163 \end{bmatrix} = \mathbf{PI}(1, 0, 6, 1, 3, 2) \\
L_{761} &= \begin{bmatrix} 1021 \\ 0173 \end{bmatrix} = \mathbf{PI}(1, 1, 7, 1, 3, 2) \\
L_{762} &= \begin{bmatrix} 1021 \\ 0104 \end{bmatrix} = \mathbf{PI}(1, 5, 0, 1, 4, 2) \\
L_{763} &= \begin{bmatrix} 1021 \\ 0114 \end{bmatrix} = \mathbf{PI}(1, 4, 1, 1, 4, 2) \\
L_{764} &= \begin{bmatrix} 1021 \\ 0124 \end{bmatrix} = \mathbf{PI}(1, 7, 2, 1, 4, 2) \\
L_{765} &= \begin{bmatrix} 1021 \\ 0134 \end{bmatrix} = \mathbf{PI}(1, 6, 3, 1, 4, 2) \\
L_{766} &= \begin{bmatrix} 1021 \\ 0144 \end{bmatrix} = \mathbf{PI}(1, 1, 4, 1, 4, 2) \\
L_{767} &= \begin{bmatrix} 1021 \\ 0154 \end{bmatrix} = \mathbf{PI}(1, 0, 5, 1, 4, 2) \\
L_{768} &= \begin{bmatrix} 1021 \\ 0164 \end{bmatrix} = \mathbf{PI}(1, 3, 6, 1, 4, 2) \\
L_{769} &= \begin{bmatrix} 1021 \\ 0174 \end{bmatrix} = \mathbf{PI}(1, 2, 7, 1, 4, 2) \\
L_{770} &= \begin{bmatrix} 1021 \\ 0105 \end{bmatrix} = \mathbf{PI}(1, 7, 0, 1, 5, 2) \\
L_{771} &= \begin{bmatrix} 1021 \\ 0115 \end{bmatrix} = \mathbf{PI}(1, 6, 1, 1, 5, 2) \\
L_{772} &= \begin{bmatrix} 1021 \\ 0125 \end{bmatrix} = \mathbf{PI}(1, 5, 2, 1, 5, 2) \\
L_{773} &= \begin{bmatrix} 1021 \\ 0135 \end{bmatrix} = \mathbf{PI}(1, 4, 3, 1, 5, 2) \\
L_{774} &= \begin{bmatrix} 1021 \\ 0145 \end{bmatrix} = \mathbf{PI}(1, 3, 4, 1, 5, 2) \\
L_{775} &= \begin{bmatrix} 1021 \\ 0155 \end{bmatrix} = \mathbf{PI}(1, 2, 5, 1, 5, 2)
\end{aligned}$$



$$\begin{aligned}
L_{776} &= \begin{bmatrix} 1021 \\ 0165 \end{bmatrix} = \mathbf{PI}(1, 1, 6, 1, 5, 2) \\
L_{777} &= \begin{bmatrix} 1021 \\ 0175 \end{bmatrix} = \mathbf{PI}(1, 0, 7, 1, 5, 2) \\
L_{778} &= \begin{bmatrix} 1021 \\ 0106 \end{bmatrix} = \mathbf{PI}(1, 1, 0, 1, 6, 2) \\
L_{779} &= \begin{bmatrix} 1021 \\ 0116 \end{bmatrix} = \mathbf{PI}(1, 0, 1, 1, 6, 2) \\
L_{780} &= \begin{bmatrix} 1021 \\ 0126 \end{bmatrix} = \mathbf{PI}(1, 3, 2, 1, 6, 2) \\
L_{781} &= \begin{bmatrix} 1021 \\ 0136 \end{bmatrix} = \mathbf{PI}(1, 2, 3, 1, 6, 2) \\
L_{782} &= \begin{bmatrix} 1021 \\ 0146 \end{bmatrix} = \mathbf{PI}(1, 5, 4, 1, 6, 2) \\
L_{783} &= \begin{bmatrix} 1021 \\ 0156 \end{bmatrix} = \mathbf{PI}(1, 4, 5, 1, 6, 2) \\
L_{784} &= \begin{bmatrix} 1021 \\ 0166 \end{bmatrix} = \mathbf{PI}(1, 7, 6, 1, 6, 2) \\
L_{785} &= \begin{bmatrix} 1021 \\ 0176 \end{bmatrix} = \mathbf{PI}(1, 6, 7, 1, 6, 2) \\
L_{786} &= \begin{bmatrix} 1021 \\ 0107 \end{bmatrix} = \mathbf{PI}(1, 3, 0, 1, 7, 2) \\
L_{787} &= \begin{bmatrix} 1021 \\ 0117 \end{bmatrix} = \mathbf{PI}(1, 2, 1, 1, 7, 2) \\
L_{788} &= \begin{bmatrix} 1021 \\ 0127 \end{bmatrix} = \mathbf{PI}(1, 1, 2, 1, 7, 2) \\
L_{789} &= \begin{bmatrix} 1021 \\ 0137 \end{bmatrix} = \mathbf{PI}(1, 0, 3, 1, 7, 2) \\
L_{790} &= \begin{bmatrix} 1021 \\ 0147 \end{bmatrix} = \mathbf{PI}(1, 7, 4, 1, 7, 2) \\
L_{791} &= \begin{bmatrix} 1021 \\ 0157 \end{bmatrix} = \mathbf{PI}(1, 6, 5, 1, 7, 2) \\
L_{792} &= \begin{bmatrix} 1021 \\ 0167 \end{bmatrix} = \mathbf{PI}(1, 5, 6, 1, 7, 2) \\
L_{793} &= \begin{bmatrix} 1021 \\ 0177 \end{bmatrix} = \mathbf{PI}(1, 4, 7, 1, 7, 2) \\
L_{794} &= \begin{bmatrix} 1201 \\ 0010 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 0, 0, 2) \\
L_{795} &= \begin{bmatrix} 1201 \\ 0011 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 2, 1, 2) \\
L_{796} &= \begin{bmatrix} 1201 \\ 0012 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 4, 2, 2)
\end{aligned}$$

$$\begin{aligned}
L_{797} &= \begin{bmatrix} 1201 \\ 0013 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 6, 3, 2) \\
L_{798} &= \begin{bmatrix} 1201 \\ 0014 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 5, 4, 2) \\
L_{799} &= \begin{bmatrix} 1201 \\ 0015 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 7, 5, 2) \\
L_{800} &= \begin{bmatrix} 1201 \\ 0016 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 1, 6, 2) \\
L_{801} &= \begin{bmatrix} 1201 \\ 0017 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 3, 7, 2) \\
L_{802} &= \begin{bmatrix} 1210 \\ 0001 \end{bmatrix} = \mathbf{PI}(0, 1, 0, 2, 1, 0) \\
L_{803} &= \begin{bmatrix} 1031 \\ 0100 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 1, 0, 3) \\
L_{804} &= \begin{bmatrix} 1031 \\ 0110 \end{bmatrix} = \mathbf{PI}(1, 1, 1, 1, 0, 3) \\
L_{805} &= \begin{bmatrix} 1031 \\ 0120 \end{bmatrix} = \mathbf{PI}(1, 2, 2, 1, 0, 3) \\
L_{806} &= \begin{bmatrix} 1031 \\ 0130 \end{bmatrix} = \mathbf{PI}(1, 3, 3, 1, 0, 3) \\
L_{807} &= \begin{bmatrix} 1031 \\ 0140 \end{bmatrix} = \mathbf{PI}(1, 4, 4, 1, 0, 3) \\
L_{808} &= \begin{bmatrix} 1031 \\ 0150 \end{bmatrix} = \mathbf{PI}(1, 5, 5, 1, 0, 3) \\
L_{809} &= \begin{bmatrix} 1031 \\ 0160 \end{bmatrix} = \mathbf{PI}(1, 6, 6, 1, 0, 3) \\
L_{810} &= \begin{bmatrix} 1031 \\ 0170 \end{bmatrix} = \mathbf{PI}(1, 7, 7, 1, 0, 3) \\
L_{811} &= \begin{bmatrix} 1031 \\ 0101 \end{bmatrix} = \mathbf{PI}(1, 3, 0, 1, 1, 3) \\
L_{812} &= \begin{bmatrix} 1031 \\ 0111 \end{bmatrix} = \mathbf{PI}(1, 2, 1, 1, 1, 3) \\
L_{813} &= \begin{bmatrix} 1031 \\ 0121 \end{bmatrix} = \mathbf{PI}(1, 1, 2, 1, 1, 3) \\
L_{814} &= \begin{bmatrix} 1031 \\ 0131 \end{bmatrix} = \mathbf{PI}(1, 0, 3, 1, 1, 3) \\
L_{815} &= \begin{bmatrix} 1031 \\ 0141 \end{bmatrix} = \mathbf{PI}(1, 7, 4, 1, 1, 3) \\
L_{816} &= \begin{bmatrix} 1031 \\ 0151 \end{bmatrix} = \mathbf{PI}(1, 6, 5, 1, 1, 3) \\
L_{817} &= \begin{bmatrix} 1031 \\ 0161 \end{bmatrix} = \mathbf{PI}(1, 5, 6, 1, 1, 3)
\end{aligned}$$

$$\begin{aligned}
L_{818} &= \begin{bmatrix} 1031 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 1, 1, 3) \\
L_{819} &= \begin{bmatrix} 1031 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 1, 2, 3) \\
L_{820} &= \begin{bmatrix} 1031 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 1, 2, 3) \\
L_{821} &= \begin{bmatrix} 1031 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 1, 2, 3) \\
L_{822} &= \begin{bmatrix} 1031 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 1, 2, 3) \\
L_{823} &= \begin{bmatrix} 1031 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 1, 2, 3) \\
L_{824} &= \begin{bmatrix} 1031 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 1, 2, 3) \\
L_{825} &= \begin{bmatrix} 1031 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 1, 2, 3) \\
L_{826} &= \begin{bmatrix} 1031 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 1, 2, 3) \\
L_{827} &= \begin{bmatrix} 1031 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 1, 3, 3) \\
L_{828} &= \begin{bmatrix} 1031 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 1, 3, 3) \\
L_{829} &= \begin{bmatrix} 1031 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 1, 3, 3) \\
L_{830} &= \begin{bmatrix} 1031 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 1, 3, 3) \\
L_{831} &= \begin{bmatrix} 1031 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 1, 3, 3) \\
L_{832} &= \begin{bmatrix} 1031 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 1, 3, 3) \\
L_{833} &= \begin{bmatrix} 1031 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 1, 3, 3) \\
L_{834} &= \begin{bmatrix} 1031 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 1, 3, 3) \\
L_{835} &= \begin{bmatrix} 1031 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 1, 4, 3) \\
L_{836} &= \begin{bmatrix} 1031 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 1, 4, 3) \\
L_{837} &= \begin{bmatrix} 1031 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 1, 4, 3) \\
L_{838} &= \begin{bmatrix} 1031 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 1, 4, 3)
\end{aligned}$$

$$\begin{aligned}
L_{839} &= \begin{bmatrix} 1031 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 1, 4, 3) \\
L_{840} &= \begin{bmatrix} 1031 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 1, 4, 3) \\
L_{841} &= \begin{bmatrix} 1031 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 1, 4, 3) \\
L_{842} &= \begin{bmatrix} 1031 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 1, 4, 3) \\
L_{843} &= \begin{bmatrix} 1031 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 1, 5, 3) \\
L_{844} &= \begin{bmatrix} 1031 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 1, 5, 3) \\
L_{845} &= \begin{bmatrix} 1031 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 1, 5, 3) \\
L_{846} &= \begin{bmatrix} 1031 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 1, 5, 3) \\
L_{847} &= \begin{bmatrix} 1031 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 1, 5, 3) \\
L_{848} &= \begin{bmatrix} 1031 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 1, 5, 3) \\
L_{849} &= \begin{bmatrix} 1031 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 1, 5, 3) \\
L_{850} &= \begin{bmatrix} 1031 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 1, 5, 3) \\
L_{851} &= \begin{bmatrix} 1031 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 1, 6, 3) \\
L_{852} &= \begin{bmatrix} 1031 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 1, 6, 3) \\
L_{853} &= \begin{bmatrix} 1031 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 1, 6, 3) \\
L_{854} &= \begin{bmatrix} 1031 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 1, 6, 3) \\
L_{855} &= \begin{bmatrix} 1031 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 1, 6, 3) \\
L_{856} &= \begin{bmatrix} 1031 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 1, 6, 3) \\
L_{857} &= \begin{bmatrix} 1031 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 1, 6, 3) \\
L_{858} &= \begin{bmatrix} 1031 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 1, 6, 3) \\
L_{859} &= \begin{bmatrix} 1031 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 1, 7, 3)
\end{aligned}$$

$$\begin{aligned}
L_{860} &= \begin{bmatrix} 1031 \\ 0117 \end{bmatrix} = \mathbf{PI}(1, 5, 1, 1, 7, 3) \\
L_{861} &= \begin{bmatrix} 1031 \\ 0127 \end{bmatrix} = \mathbf{PI}(1, 6, 2, 1, 7, 3) \\
L_{862} &= \begin{bmatrix} 1031 \\ 0137 \end{bmatrix} = \mathbf{PI}(1, 7, 3, 1, 7, 3) \\
L_{863} &= \begin{bmatrix} 1031 \\ 0147 \end{bmatrix} = \mathbf{PI}(1, 0, 4, 1, 7, 3) \\
L_{864} &= \begin{bmatrix} 1031 \\ 0157 \end{bmatrix} = \mathbf{PI}(1, 1, 5, 1, 7, 3) \\
L_{865} &= \begin{bmatrix} 1031 \\ 0167 \end{bmatrix} = \mathbf{PI}(1, 2, 6, 1, 7, 3) \\
L_{866} &= \begin{bmatrix} 1031 \\ 0177 \end{bmatrix} = \mathbf{PI}(1, 3, 7, 1, 7, 3) \\
L_{867} &= \begin{bmatrix} 1301 \\ 0010 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 0, 0, 3) \\
L_{868} &= \begin{bmatrix} 1301 \\ 0011 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 3, 1, 3) \\
L_{869} &= \begin{bmatrix} 1301 \\ 0012 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 6, 2, 3) \\
L_{870} &= \begin{bmatrix} 1301 \\ 0013 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 5, 3, 3) \\
L_{871} &= \begin{bmatrix} 1301 \\ 0014 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 1, 4, 3) \\
L_{872} &= \begin{bmatrix} 1301 \\ 0015 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 2, 5, 3) \\
L_{873} &= \begin{bmatrix} 1301 \\ 0016 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 7, 6, 3) \\
L_{874} &= \begin{bmatrix} 1301 \\ 0017 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 4, 7, 3) \\
L_{875} &= \begin{bmatrix} 1310 \\ 0001 \end{bmatrix} = \mathbf{PI}(0, 1, 0, 3, 1, 0) \\
L_{876} &= \begin{bmatrix} 1041 \\ 0100 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 1, 0, 4) \\
L_{877} &= \begin{bmatrix} 1041 \\ 0110 \end{bmatrix} = \mathbf{PI}(1, 1, 1, 1, 0, 4) \\
L_{878} &= \begin{bmatrix} 1041 \\ 0120 \end{bmatrix} = \mathbf{PI}(1, 2, 2, 1, 0, 4) \\
L_{879} &= \begin{bmatrix} 1041 \\ 0130 \end{bmatrix} = \mathbf{PI}(1, 3, 3, 1, 0, 4) \\
L_{880} &= \begin{bmatrix} 1041 \\ 0140 \end{bmatrix} = \mathbf{PI}(1, 4, 4, 1, 0, 4)
\end{aligned}$$

$$\begin{aligned}
L_{881} &= \begin{bmatrix} 1041 \\ 0150 \end{bmatrix} = \mathbf{PI}(1, 5, 5, 1, 0, 4) \\
L_{882} &= \begin{bmatrix} 1041 \\ 0160 \end{bmatrix} = \mathbf{PI}(1, 6, 6, 1, 0, 4) \\
L_{883} &= \begin{bmatrix} 1041 \\ 0170 \end{bmatrix} = \mathbf{PI}(1, 7, 7, 1, 0, 4) \\
L_{884} &= \begin{bmatrix} 1041 \\ 0101 \end{bmatrix} = \mathbf{PI}(1, 4, 0, 1, 1, 4) \\
L_{885} &= \begin{bmatrix} 1041 \\ 0111 \end{bmatrix} = \mathbf{PI}(1, 5, 1, 1, 1, 4) \\
L_{886} &= \begin{bmatrix} 1041 \\ 0121 \end{bmatrix} = \mathbf{PI}(1, 6, 2, 1, 1, 4) \\
L_{887} &= \begin{bmatrix} 1041 \\ 0131 \end{bmatrix} = \mathbf{PI}(1, 7, 3, 1, 1, 4) \\
L_{888} &= \begin{bmatrix} 1041 \\ 0141 \end{bmatrix} = \mathbf{PI}(1, 0, 4, 1, 1, 4) \\
L_{889} &= \begin{bmatrix} 1041 \\ 0151 \end{bmatrix} = \mathbf{PI}(1, 1, 5, 1, 1, 4) \\
L_{890} &= \begin{bmatrix} 1041 \\ 0161 \end{bmatrix} = \mathbf{PI}(1, 2, 6, 1, 1, 4) \\
L_{891} &= \begin{bmatrix} 1041 \\ 0171 \end{bmatrix} = \mathbf{PI}(1, 3, 7, 1, 1, 4) \\
L_{892} &= \begin{bmatrix} 1041 \\ 0102 \end{bmatrix} = \mathbf{PI}(1, 5, 0, 1, 2, 4) \\
L_{893} &= \begin{bmatrix} 1041 \\ 0112 \end{bmatrix} = \mathbf{PI}(1, 4, 1, 1, 2, 4) \\
L_{894} &= \begin{bmatrix} 1041 \\ 0122 \end{bmatrix} = \mathbf{PI}(1, 7, 2, 1, 2, 4) \\
L_{895} &= \begin{bmatrix} 1041 \\ 0132 \end{bmatrix} = \mathbf{PI}(1, 6, 3, 1, 2, 4) \\
L_{896} &= \begin{bmatrix} 1041 \\ 0142 \end{bmatrix} = \mathbf{PI}(1, 1, 4, 1, 2, 4) \\
L_{897} &= \begin{bmatrix} 1041 \\ 0152 \end{bmatrix} = \mathbf{PI}(1, 0, 5, 1, 2, 4) \\
L_{898} &= \begin{bmatrix} 1041 \\ 0162 \end{bmatrix} = \mathbf{PI}(1, 3, 6, 1, 2, 4) \\
L_{899} &= \begin{bmatrix} 1041 \\ 0172 \end{bmatrix} = \mathbf{PI}(1, 2, 7, 1, 2, 4) \\
L_{900} &= \begin{bmatrix} 1041 \\ 0103 \end{bmatrix} = \mathbf{PI}(1, 1, 0, 1, 3, 4) \\
L_{901} &= \begin{bmatrix} 1041 \\ 0113 \end{bmatrix} = \mathbf{PI}(1, 0, 1, 1, 3, 4)
\end{aligned}$$

$$\begin{aligned}
L_{902} &= \begin{bmatrix} 1041 \\ 0123 \end{bmatrix} = \mathbf{PI}(1, 3, 2, 1, 3, 4) \\
L_{903} &= \begin{bmatrix} 1041 \\ 0133 \end{bmatrix} = \mathbf{PI}(1, 2, 3, 1, 3, 4) \\
L_{904} &= \begin{bmatrix} 1041 \\ 0143 \end{bmatrix} = \mathbf{PI}(1, 5, 4, 1, 3, 4) \\
L_{905} &= \begin{bmatrix} 1041 \\ 0153 \end{bmatrix} = \mathbf{PI}(1, 4, 5, 1, 3, 4) \\
L_{906} &= \begin{bmatrix} 1041 \\ 0163 \end{bmatrix} = \mathbf{PI}(1, 7, 6, 1, 3, 4) \\
L_{907} &= \begin{bmatrix} 1041 \\ 0173 \end{bmatrix} = \mathbf{PI}(1, 6, 7, 1, 3, 4) \\
L_{908} &= \begin{bmatrix} 1041 \\ 0104 \end{bmatrix} = \mathbf{PI}(1, 7, 0, 1, 4, 4) \\
L_{909} &= \begin{bmatrix} 1041 \\ 0114 \end{bmatrix} = \mathbf{PI}(1, 6, 1, 1, 4, 4) \\
L_{910} &= \begin{bmatrix} 1041 \\ 0124 \end{bmatrix} = \mathbf{PI}(1, 5, 2, 1, 4, 4) \\
L_{911} &= \begin{bmatrix} 1041 \\ 0134 \end{bmatrix} = \mathbf{PI}(1, 4, 3, 1, 4, 4) \\
L_{912} &= \begin{bmatrix} 1041 \\ 0144 \end{bmatrix} = \mathbf{PI}(1, 3, 4, 1, 4, 4) \\
L_{913} &= \begin{bmatrix} 1041 \\ 0154 \end{bmatrix} = \mathbf{PI}(1, 2, 5, 1, 4, 4) \\
L_{914} &= \begin{bmatrix} 1041 \\ 0164 \end{bmatrix} = \mathbf{PI}(1, 1, 6, 1, 4, 4) \\
L_{915} &= \begin{bmatrix} 1041 \\ 0174 \end{bmatrix} = \mathbf{PI}(1, 0, 7, 1, 4, 4) \\
L_{916} &= \begin{bmatrix} 1041 \\ 0105 \end{bmatrix} = \mathbf{PI}(1, 3, 0, 1, 5, 4) \\
L_{917} &= \begin{bmatrix} 1041 \\ 0115 \end{bmatrix} = \mathbf{PI}(1, 2, 1, 1, 5, 4) \\
L_{918} &= \begin{bmatrix} 1041 \\ 0125 \end{bmatrix} = \mathbf{PI}(1, 1, 2, 1, 5, 4) \\
L_{919} &= \begin{bmatrix} 1041 \\ 0135 \end{bmatrix} = \mathbf{PI}(1, 0, 3, 1, 5, 4) \\
L_{920} &= \begin{bmatrix} 1041 \\ 0145 \end{bmatrix} = \mathbf{PI}(1, 7, 4, 1, 5, 4) \\
L_{921} &= \begin{bmatrix} 1041 \\ 0155 \end{bmatrix} = \mathbf{PI}(1, 6, 5, 1, 5, 4) \\
L_{922} &= \begin{bmatrix} 1041 \\ 0165 \end{bmatrix} = \mathbf{PI}(1, 5, 6, 1, 5, 4)
\end{aligned}$$

$$\begin{aligned}
L_{923} &= \begin{bmatrix} 1041 \\ 0175 \end{bmatrix} = \mathbf{PI}(1, 4, 7, 1, 5, 4) \\
L_{924} &= \begin{bmatrix} 1041 \\ 0106 \end{bmatrix} = \mathbf{PI}(1, 2, 0, 1, 6, 4) \\
L_{925} &= \begin{bmatrix} 1041 \\ 0116 \end{bmatrix} = \mathbf{PI}(1, 3, 1, 1, 6, 4) \\
L_{926} &= \begin{bmatrix} 1041 \\ 0126 \end{bmatrix} = \mathbf{PI}(1, 0, 2, 1, 6, 4) \\
L_{927} &= \begin{bmatrix} 1041 \\ 0136 \end{bmatrix} = \mathbf{PI}(1, 1, 3, 1, 6, 4) \\
L_{928} &= \begin{bmatrix} 1041 \\ 0146 \end{bmatrix} = \mathbf{PI}(1, 6, 4, 1, 6, 4) \\
L_{929} &= \begin{bmatrix} 1041 \\ 0156 \end{bmatrix} = \mathbf{PI}(1, 7, 5, 1, 6, 4) \\
L_{930} &= \begin{bmatrix} 1041 \\ 0166 \end{bmatrix} = \mathbf{PI}(1, 4, 6, 1, 6, 4) \\
L_{931} &= \begin{bmatrix} 1041 \\ 0176 \end{bmatrix} = \mathbf{PI}(1, 5, 7, 1, 6, 4) \\
L_{932} &= \begin{bmatrix} 1041 \\ 0107 \end{bmatrix} = \mathbf{PI}(1, 6, 0, 1, 7, 4) \\
L_{933} &= \begin{bmatrix} 1041 \\ 0117 \end{bmatrix} = \mathbf{PI}(1, 7, 1, 1, 7, 4) \\
L_{934} &= \begin{bmatrix} 1041 \\ 0127 \end{bmatrix} = \mathbf{PI}(1, 4, 2, 1, 7, 4) \\
L_{935} &= \begin{bmatrix} 1041 \\ 0137 \end{bmatrix} = \mathbf{PI}(1, 5, 3, 1, 7, 4) \\
L_{936} &= \begin{bmatrix} 1041 \\ 0147 \end{bmatrix} = \mathbf{PI}(1, 2, 4, 1, 7, 4) \\
L_{937} &= \begin{bmatrix} 1041 \\ 0157 \end{bmatrix} = \mathbf{PI}(1, 3, 5, 1, 7, 4) \\
L_{938} &= \begin{bmatrix} 1041 \\ 0167 \end{bmatrix} = \mathbf{PI}(1, 0, 6, 1, 7, 4) \\
L_{939} &= \begin{bmatrix} 1041 \\ 0177 \end{bmatrix} = \mathbf{PI}(1, 1, 7, 1, 7, 4) \\
L_{940} &= \begin{bmatrix} 1401 \\ 0010 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 0, 0, 4) \\
L_{941} &= \begin{bmatrix} 1401 \\ 0011 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 4, 1, 4) \\
L_{942} &= \begin{bmatrix} 1401 \\ 0012 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 5, 2, 4) \\
L_{943} &= \begin{bmatrix} 1401 \\ 0013 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 1, 3, 4)
\end{aligned}$$



$$\begin{aligned}
L_{944} &= \begin{bmatrix} 1401 \\ 0014 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 7, 4, 4) \\
L_{945} &= \begin{bmatrix} 1401 \\ 0015 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 3, 5, 4) \\
L_{946} &= \begin{bmatrix} 1401 \\ 0016 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 2, 6, 4) \\
L_{947} &= \begin{bmatrix} 1401 \\ 0017 \end{bmatrix} = \mathbf{PI}(0, 1, 1, 6, 7, 4) \\
L_{948} &= \begin{bmatrix} 1410 \\ 0001 \end{bmatrix} = \mathbf{PI}(0, 1, 0, 4, 1, 0) \\
L_{949} &= \begin{bmatrix} 1051 \\ 0100 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 1, 0, 5) \\
L_{950} &= \begin{bmatrix} 1051 \\ 0110 \end{bmatrix} = \mathbf{PI}(1, 1, 1, 1, 0, 5) \\
L_{951} &= \begin{bmatrix} 1051 \\ 0120 \end{bmatrix} = \mathbf{PI}(1, 2, 2, 1, 0, 5) \\
L_{952} &= \begin{bmatrix} 1051 \\ 0130 \end{bmatrix} = \mathbf{PI}(1, 3, 3, 1, 0, 5) \\
L_{953} &= \begin{bmatrix} 1051 \\ 0140 \end{bmatrix} = \mathbf{PI}(1, 4, 4, 1, 0, 5) \\
L_{954} &= \begin{bmatrix} 1051 \\ 0150 \end{bmatrix} = \mathbf{PI}(1, 5, 5, 1, 0, 5) \\
L_{955} &= \begin{bmatrix} 1051 \\ 0160 \end{bmatrix} = \mathbf{PI}(1, 6, 6, 1, 0, 5) \\
L_{956} &= \begin{bmatrix} 1051 \\ 0170 \end{bmatrix} = \mathbf{PI}(1, 7, 7, 1, 0, 5) \\
L_{957} &= \begin{bmatrix} 1051 \\ 0101 \end{bmatrix} = \mathbf{PI}(1, 5, 0, 1, 1, 5) \\
L_{958} &= \begin{bmatrix} 1051 \\ 0111 \end{bmatrix} = \mathbf{PI}(1, 4, 1, 1, 1, 5) \\
L_{959} &= \begin{bmatrix} 1051 \\ 0121 \end{bmatrix} = \mathbf{PI}(1, 7, 2, 1, 1, 5) \\
L_{960} &= \begin{bmatrix} 1051 \\ 0131 \end{bmatrix} = \mathbf{PI}(1, 6, 3, 1, 1, 5) \\
L_{961} &= \begin{bmatrix} 1051 \\ 0141 \end{bmatrix} = \mathbf{PI}(1, 1, 4, 1, 1, 5) \\
L_{962} &= \begin{bmatrix} 1051 \\ 0151 \end{bmatrix} = \mathbf{PI}(1, 0, 5, 1, 1, 5) \\
L_{963} &= \begin{bmatrix} 1051 \\ 0161 \end{bmatrix} = \mathbf{PI}(1, 3, 6, 1, 1, 5) \\
L_{964} &= \begin{bmatrix} 1051 \\ 0171 \end{bmatrix} = \mathbf{PI}(1, 2, 7, 1, 1, 5)
\end{aligned}$$

$$\begin{aligned}
L_{965} &= \begin{bmatrix} 1051 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 1, 2, 5) \\
L_{966} &= \begin{bmatrix} 1051 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 1, 2, 5) \\
L_{967} &= \begin{bmatrix} 1051 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 1, 2, 5) \\
L_{968} &= \begin{bmatrix} 1051 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 1, 2, 5) \\
L_{969} &= \begin{bmatrix} 1051 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 1, 2, 5) \\
L_{970} &= \begin{bmatrix} 1051 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 1, 2, 5) \\
L_{971} &= \begin{bmatrix} 1051 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 1, 2, 5) \\
L_{972} &= \begin{bmatrix} 1051 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 1, 2, 5) \\
L_{973} &= \begin{bmatrix} 1051 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 1, 3, 5) \\
L_{974} &= \begin{bmatrix} 1051 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 1, 3, 5) \\
L_{975} &= \begin{bmatrix} 1051 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 1, 3, 5) \\
L_{976} &= \begin{bmatrix} 1051 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 1, 3, 5) \\
L_{977} &= \begin{bmatrix} 1051 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 1, 3, 5) \\
L_{978} &= \begin{bmatrix} 1051 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 1, 3, 5) \\
L_{979} &= \begin{bmatrix} 1051 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 1, 3, 5) \\
L_{980} &= \begin{bmatrix} 1051 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 1, 3, 5) \\
L_{981} &= \begin{bmatrix} 1051 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 1, 4, 5) \\
L_{982} &= \begin{bmatrix} 1051 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 1, 4, 5) \\
L_{983} &= \begin{bmatrix} 1051 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 1, 4, 5) \\
L_{984} &= \begin{bmatrix} 1051 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 1, 4, 5) \\
L_{985} &= \begin{bmatrix} 1051 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 1, 4, 5)
\end{aligned}$$

$$\begin{aligned}
L_{986} &= \begin{bmatrix} 1051 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 1, 4, 5) \\
L_{987} &= \begin{bmatrix} 1051 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 1, 4, 5) \\
L_{988} &= \begin{bmatrix} 1051 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 1, 4, 5) \\
L_{989} &= \begin{bmatrix} 1051 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 1, 5, 5) \\
L_{990} &= \begin{bmatrix} 1051 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 1, 5, 5) \\
L_{991} &= \begin{bmatrix} 1051 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 1, 5, 5) \\
L_{992} &= \begin{bmatrix} 1051 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 1, 5, 5) \\
L_{993} &= \begin{bmatrix} 1051 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 1, 5, 5) \\
L_{994} &= \begin{bmatrix} 1051 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 1, 5, 5) \\
L_{995} &= \begin{bmatrix} 1051 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 1, 5, 5) \\
L_{996} &= \begin{bmatrix} 1051 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 1, 5, 5) \\
L_{997} &= \begin{bmatrix} 1051 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 1, 6, 5) \\
L_{998} &= \begin{bmatrix} 1051 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 1, 6, 5) \\
L_{999} &= \begin{bmatrix} 1051 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 1, 6, 5)
\end{aligned}$$

$$\begin{aligned}
L_{1000} &= \begin{bmatrix} 1051 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 1, 6, 5) \\
L_{1001} &= \begin{bmatrix} 1051 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 1, 6, 5) \\
L_{1002} &= \begin{bmatrix} 1051 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 1, 6, 5) \\
L_{1003} &= \begin{bmatrix} 1051 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 1, 6, 5) \\
L_{1004} &= \begin{bmatrix} 1051 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 1, 6, 5) \\
L_{1005} &= \begin{bmatrix} 1051 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 1, 7, 5) \\
L_{1006} &= \begin{bmatrix} 1051 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 1, 7, 5) \\
L_{1007} &= \begin{bmatrix} 1051 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 1, 7, 5) \\
L_{1008} &= \begin{bmatrix} 1051 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 1, 7, 5) \\
L_{1009} &= \begin{bmatrix} 1051 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 1, 7, 5) \\
L_{1010} &= \begin{bmatrix} 1051 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 1, 7, 5) \\
L_{1011} &= \begin{bmatrix} 1051 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 1, 7, 5) \\
L_{1012} &= \begin{bmatrix} 1051 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 1, 7, 5) \\
L_{1013} &= \begin{bmatrix} 1501 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 0, 0, 5) \\
L_{1014} &= \begin{bmatrix} 1501 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 5, 1, 5) \\
L_{1015} &= \begin{bmatrix} 1501 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 7, 2, 5) \\
L_{1016} &= \begin{bmatrix} 1501 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 2, 3, 5) \\
L_{1017} &= \begin{bmatrix} 1501 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 3, 4, 5) \\
L_{1018} &= \begin{bmatrix} 1501 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 6, 5, 5) \\
L_{1019} &= \begin{bmatrix} 1501 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 4, 6, 5) \\
L_{1020} &= \begin{bmatrix} 1501 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 1, 7, 5)
\end{aligned}$$

$$\begin{aligned}
L_{1021} &= \begin{bmatrix} 1510 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 1, 0, 5, 1, 0) \\
L_{1022} &= \begin{bmatrix} 1061 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 1, 0, 6) \\
L_{1023} &= \begin{bmatrix} 1061 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 1, 0, 6) \\
L_{1024} &= \begin{bmatrix} 1061 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 1, 0, 6) \\
L_{1025} &= \begin{bmatrix} 1061 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 1, 0, 6) \\
L_{1026} &= \begin{bmatrix} 1061 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 1, 0, 6) \\
L_{1027} &= \begin{bmatrix} 1061 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 1, 0, 6) \\
L_{1028} &= \begin{bmatrix} 1061 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 1, 0, 6) \\
L_{1029} &= \begin{bmatrix} 1061 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 1, 0, 6) \\
L_{1030} &= \begin{bmatrix} 1061 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 1, 1, 6) \\
L_{1031} &= \begin{bmatrix} 1061 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 1, 1, 6) \\
L_{1032} &= \begin{bmatrix} 1061 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 1, 1, 6) \\
L_{1033} &= \begin{bmatrix} 1061 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 1, 1, 6) \\
L_{1034} &= \begin{bmatrix} 1061 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 1, 1, 6) \\
L_{1035} &= \begin{bmatrix} 1061 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 1, 1, 6) \\
L_{1036} &= \begin{bmatrix} 1061 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 1, 1, 6) \\
L_{1037} &= \begin{bmatrix} 1061 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 1, 1, 6) \\
L_{1038} &= \begin{bmatrix} 1061 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 1, 2, 6) \\
L_{1039} &= \begin{bmatrix} 1061 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 1, 2, 6) \\
L_{1040} &= \begin{bmatrix} 1061 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 1, 2, 6) \\
L_{1041} &= \begin{bmatrix} 1061 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 1, 2, 6)
\end{aligned}$$

$$\begin{aligned}
L_{1042} &= \begin{bmatrix} 1061 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 1, 2, 6) \\
L_{1043} &= \begin{bmatrix} 1061 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 1, 2, 6) \\
L_{1044} &= \begin{bmatrix} 1061 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 1, 2, 6) \\
L_{1045} &= \begin{bmatrix} 1061 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 1, 2, 6) \\
L_{1046} &= \begin{bmatrix} 1061 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 1, 3, 6) \\
L_{1047} &= \begin{bmatrix} 1061 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 1, 3, 6) \\
L_{1048} &= \begin{bmatrix} 1061 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 1, 3, 6) \\
L_{1049} &= \begin{bmatrix} 1061 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 1, 3, 6) \\
L_{1050} &= \begin{bmatrix} 1061 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 1, 3, 6) \\
L_{1051} &= \begin{bmatrix} 1061 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 1, 3, 6) \\
L_{1052} &= \begin{bmatrix} 1061 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 1, 3, 6) \\
L_{1053} &= \begin{bmatrix} 1061 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 1, 3, 6) \\
L_{1054} &= \begin{bmatrix} 1061 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 1, 4, 6) \\
L_{1055} &= \begin{bmatrix} 1061 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 1, 4, 6) \\
L_{1056} &= \begin{bmatrix} 1061 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 1, 4, 6) \\
L_{1057} &= \begin{bmatrix} 1061 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 1, 4, 6) \\
L_{1058} &= \begin{bmatrix} 1061 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 1, 4, 6) \\
L_{1059} &= \begin{bmatrix} 1061 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 1, 4, 6) \\
L_{1060} &= \begin{bmatrix} 1061 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 1, 4, 6) \\
L_{1061} &= \begin{bmatrix} 1061 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 1, 4, 6) \\
L_{1062} &= \begin{bmatrix} 1061 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 1, 5, 6)
\end{aligned}$$

$$\begin{aligned}
L_{1063} &= \begin{bmatrix} 1061 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 1, 5, 6) \\
L_{1064} &= \begin{bmatrix} 1061 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 1, 5, 6) \\
L_{1065} &= \begin{bmatrix} 1061 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 1, 5, 6) \\
L_{1066} &= \begin{bmatrix} 1061 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 1, 5, 6) \\
L_{1067} &= \begin{bmatrix} 1061 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 1, 5, 6) \\
L_{1068} &= \begin{bmatrix} 1061 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 1, 5, 6) \\
L_{1069} &= \begin{bmatrix} 1061 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 1, 5, 6) \\
L_{1070} &= \begin{bmatrix} 1061 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 1, 6, 6) \\
L_{1071} &= \begin{bmatrix} 1061 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 1, 6, 6) \\
L_{1072} &= \begin{bmatrix} 1061 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 1, 6, 6) \\
L_{1073} &= \begin{bmatrix} 1061 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 1, 6, 6) \\
L_{1074} &= \begin{bmatrix} 1061 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 1, 6, 6) \\
L_{1075} &= \begin{bmatrix} 1061 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 1, 6, 6) \\
L_{1076} &= \begin{bmatrix} 1061 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 1, 6, 6) \\
L_{1077} &= \begin{bmatrix} 1061 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 1, 6, 6) \\
L_{1078} &= \begin{bmatrix} 1061 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 1, 7, 6) \\
L_{1079} &= \begin{bmatrix} 1061 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 1, 7, 6) \\
L_{1080} &= \begin{bmatrix} 1061 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 1, 7, 6) \\
L_{1081} &= \begin{bmatrix} 1061 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 1, 7, 6) \\
L_{1082} &= \begin{bmatrix} 1061 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 1, 7, 6) \\
L_{1083} &= \begin{bmatrix} 1061 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 1, 7, 6)
\end{aligned}$$

$$\begin{aligned}
L_{1084} &= \begin{bmatrix} 1061 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 1, 7, 6) \\
L_{1085} &= \begin{bmatrix} 1061 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 1, 7, 6) \\
L_{1086} &= \begin{bmatrix} 1601 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 0, 0, 6) \\
L_{1087} &= \begin{bmatrix} 1601 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 6, 1, 6) \\
L_{1088} &= \begin{bmatrix} 1601 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 1, 2, 6) \\
L_{1089} &= \begin{bmatrix} 1601 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 7, 3, 6) \\
L_{1090} &= \begin{bmatrix} 1601 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 2, 4, 6) \\
L_{1091} &= \begin{bmatrix} 1601 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 4, 5, 6) \\
L_{1092} &= \begin{bmatrix} 1601 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 3, 6, 6) \\
L_{1093} &= \begin{bmatrix} 1601 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 5, 7, 6) \\
L_{1094} &= \begin{bmatrix} 1610 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 1, 0, 6, 1, 0) \\
L_{1095} &= \begin{bmatrix} 1071 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 1, 0, 7) \\
L_{1096} &= \begin{bmatrix} 1071 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 1, 0, 7) \\
L_{1097} &= \begin{bmatrix} 1071 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 1, 0, 7) \\
L_{1098} &= \begin{bmatrix} 1071 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 1, 0, 7) \\
L_{1099} &= \begin{bmatrix} 1071 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 1, 0, 7) \\
L_{1100} &= \begin{bmatrix} 1071 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 1, 0, 7) \\
L_{1101} &= \begin{bmatrix} 1071 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 1, 0, 7) \\
L_{1102} &= \begin{bmatrix} 1071 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 1, 0, 7) \\
L_{1103} &= \begin{bmatrix} 1071 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 1, 1, 7) \\
L_{1104} &= \begin{bmatrix} 1071 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 1, 1, 7)
\end{aligned}$$



$$\begin{aligned}
L_{1105} &= \begin{bmatrix} 1071 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 1, 1, 7) \\
L_{1106} &= \begin{bmatrix} 1071 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 1, 1, 7) \\
L_{1107} &= \begin{bmatrix} 1071 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 1, 1, 7) \\
L_{1108} &= \begin{bmatrix} 1071 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 1, 1, 7) \\
L_{1109} &= \begin{bmatrix} 1071 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 1, 1, 7) \\
L_{1110} &= \begin{bmatrix} 1071 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 1, 1, 7) \\
L_{1111} &= \begin{bmatrix} 1071 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 1, 2, 7) \\
L_{1112} &= \begin{bmatrix} 1071 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 1, 2, 7) \\
L_{1113} &= \begin{bmatrix} 1071 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 1, 2, 7) \\
L_{1114} &= \begin{bmatrix} 1071 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 1, 2, 7) \\
L_{1115} &= \begin{bmatrix} 1071 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 1, 2, 7) \\
L_{1116} &= \begin{bmatrix} 1071 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 1, 2, 7) \\
L_{1117} &= \begin{bmatrix} 1071 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 1, 2, 7) \\
L_{1118} &= \begin{bmatrix} 1071 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 1, 2, 7) \\
L_{1119} &= \begin{bmatrix} 1071 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 1, 3, 7) \\
L_{1120} &= \begin{bmatrix} 1071 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 1, 3, 7) \\
L_{1121} &= \begin{bmatrix} 1071 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 1, 3, 7) \\
L_{1122} &= \begin{bmatrix} 1071 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 1, 3, 7) \\
L_{1123} &= \begin{bmatrix} 1071 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 1, 3, 7) \\
L_{1124} &= \begin{bmatrix} 1071 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 1, 3, 7) \\
L_{1125} &= \begin{bmatrix} 1071 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 1, 3, 7)
\end{aligned}$$

$$\begin{aligned}
L_{1126} &= \begin{bmatrix} 1071 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 1, 3, 7) \\
L_{1127} &= \begin{bmatrix} 1071 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 1, 4, 7) \\
L_{1128} &= \begin{bmatrix} 1071 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 1, 4, 7) \\
L_{1129} &= \begin{bmatrix} 1071 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 1, 4, 7) \\
L_{1130} &= \begin{bmatrix} 1071 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 1, 4, 7) \\
L_{1131} &= \begin{bmatrix} 1071 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 1, 4, 7) \\
L_{1132} &= \begin{bmatrix} 1071 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 1, 4, 7) \\
L_{1133} &= \begin{bmatrix} 1071 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 1, 4, 7) \\
L_{1134} &= \begin{bmatrix} 1071 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 1, 4, 7) \\
L_{1135} &= \begin{bmatrix} 1071 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 1, 5, 7) \\
L_{1136} &= \begin{bmatrix} 1071 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 1, 5, 7) \\
L_{1137} &= \begin{bmatrix} 1071 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 1, 5, 7) \\
L_{1138} &= \begin{bmatrix} 1071 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 1, 5, 7) \\
L_{1139} &= \begin{bmatrix} 1071 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 1, 5, 7) \\
L_{1140} &= \begin{bmatrix} 1071 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 1, 5, 7) \\
L_{1141} &= \begin{bmatrix} 1071 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 1, 5, 7) \\
L_{1142} &= \begin{bmatrix} 1071 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 1, 5, 7) \\
L_{1143} &= \begin{bmatrix} 1071 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 1, 6, 7) \\
L_{1144} &= \begin{bmatrix} 1071 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 1, 6, 7) \\
L_{1145} &= \begin{bmatrix} 1071 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 1, 6, 7) \\
L_{1146} &= \begin{bmatrix} 1071 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 1, 6, 7)
\end{aligned}$$

$$\begin{aligned}
L_{1147} &= \begin{bmatrix} 1071 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 1, 6, 7) \\
L_{1148} &= \begin{bmatrix} 1071 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 1, 6, 7) \\
L_{1149} &= \begin{bmatrix} 1071 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 1, 6, 7) \\
L_{1150} &= \begin{bmatrix} 1071 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 1, 6, 7) \\
L_{1151} &= \begin{bmatrix} 1071 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 1, 7, 7) \\
L_{1152} &= \begin{bmatrix} 1071 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 1, 7, 7) \\
L_{1153} &= \begin{bmatrix} 1071 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 1, 7, 7) \\
L_{1154} &= \begin{bmatrix} 1071 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 1, 7, 7) \\
L_{1155} &= \begin{bmatrix} 1071 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 1, 7, 7) \\
L_{1156} &= \begin{bmatrix} 1071 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 1, 7, 7) \\
L_{1157} &= \begin{bmatrix} 1071 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 1, 7, 7) \\
L_{1158} &= \begin{bmatrix} 1071 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 1, 7, 7) \\
L_{1159} &= \begin{bmatrix} 1701 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 0, 0, 7) \\
L_{1160} &= \begin{bmatrix} 1701 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 7, 1, 7) \\
L_{1161} &= \begin{bmatrix} 1701 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 3, 2, 7) \\
L_{1162} &= \begin{bmatrix} 1701 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 4, 3, 7) \\
L_{1163} &= \begin{bmatrix} 1701 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 6, 4, 7) \\
L_{1164} &= \begin{bmatrix} 1701 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 1, 5, 7) \\
L_{1165} &= \begin{bmatrix} 1701 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 5, 6, 7) \\
L_{1166} &= \begin{bmatrix} 1701 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 1, 1, 2, 7, 7) \\
L_{1167} &= \begin{bmatrix} 1710 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 1, 0, 7, 1, 0)
\end{aligned}$$

$$\begin{aligned}
L_{1168} &= \begin{bmatrix} 1002 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 2, 0, 0) \\
L_{1169} &= \begin{bmatrix} 1002 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 2, 0, 0) \\
L_{1170} &= \begin{bmatrix} 1002 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 2, 0, 0) \\
L_{1171} &= \begin{bmatrix} 1002 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 2, 0, 0) \\
L_{1172} &= \begin{bmatrix} 1002 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 2, 0, 0) \\
L_{1173} &= \begin{bmatrix} 1002 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 2, 0, 0) \\
L_{1174} &= \begin{bmatrix} 1002 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 2, 0, 0) \\
L_{1175} &= \begin{bmatrix} 1002 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 2, 0, 0) \\
L_{1176} &= \begin{bmatrix} 1002 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 2, 1, 0) \\
L_{1177} &= \begin{bmatrix} 1002 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 2, 1, 0) \\
L_{1178} &= \begin{bmatrix} 1002 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 2, 1, 0) \\
L_{1179} &= \begin{bmatrix} 1002 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 2, 1, 0) \\
L_{1180} &= \begin{bmatrix} 1002 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 2, 1, 0) \\
L_{1181} &= \begin{bmatrix} 1002 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 2, 1, 0) \\
L_{1182} &= \begin{bmatrix} 1002 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 2, 1, 0) \\
L_{1183} &= \begin{bmatrix} 1002 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 2, 1, 0) \\
L_{1184} &= \begin{bmatrix} 1002 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 2, 2, 0) \\
L_{1185} &= \begin{bmatrix} 1002 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 2, 2, 0) \\
L_{1186} &= \begin{bmatrix} 1002 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 2, 2, 0) \\
L_{1187} &= \begin{bmatrix} 1002 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 2, 2, 0) \\
L_{1188} &= \begin{bmatrix} 1002 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 2, 2, 0)
\end{aligned}$$

$$\begin{aligned}
L_{1189} &= \begin{bmatrix} 1002 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 2, 2, 0) \\
L_{1190} &= \begin{bmatrix} 1002 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 2, 2, 0) \\
L_{1191} &= \begin{bmatrix} 1002 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 2, 2, 0) \\
L_{1192} &= \begin{bmatrix} 1002 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 2, 3, 0) \\
L_{1193} &= \begin{bmatrix} 1002 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 2, 3, 0) \\
L_{1194} &= \begin{bmatrix} 1002 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 2, 3, 0) \\
L_{1195} &= \begin{bmatrix} 1002 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 2, 3, 0) \\
L_{1196} &= \begin{bmatrix} 1002 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 2, 3, 0) \\
L_{1197} &= \begin{bmatrix} 1002 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 2, 3, 0) \\
L_{1198} &= \begin{bmatrix} 1002 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 2, 3, 0) \\
L_{1199} &= \begin{bmatrix} 1002 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 2, 3, 0) \\
L_{1200} &= \begin{bmatrix} 1002 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 2, 4, 0) \\
L_{1201} &= \begin{bmatrix} 1002 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 2, 4, 0) \\
L_{1202} &= \begin{bmatrix} 1002 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 2, 4, 0) \\
L_{1203} &= \begin{bmatrix} 1002 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 2, 4, 0) \\
L_{1204} &= \begin{bmatrix} 1002 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 2, 4, 0) \\
L_{1205} &= \begin{bmatrix} 1002 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 2, 4, 0) \\
L_{1206} &= \begin{bmatrix} 1002 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 2, 4, 0) \\
L_{1207} &= \begin{bmatrix} 1002 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 2, 4, 0) \\
L_{1208} &= \begin{bmatrix} 1002 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 2, 5, 0) \\
L_{1209} &= \begin{bmatrix} 1002 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 2, 5, 0)
\end{aligned}$$

$$\begin{aligned}
L_{1210} &= \begin{bmatrix} 1002 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 2, 5, 0) \\
L_{1211} &= \begin{bmatrix} 1002 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 2, 5, 0) \\
L_{1212} &= \begin{bmatrix} 1002 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 2, 5, 0) \\
L_{1213} &= \begin{bmatrix} 1002 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 2, 5, 0) \\
L_{1214} &= \begin{bmatrix} 1002 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 2, 5, 0) \\
L_{1215} &= \begin{bmatrix} 1002 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 2, 5, 0) \\
L_{1216} &= \begin{bmatrix} 1002 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 2, 6, 0) \\
L_{1217} &= \begin{bmatrix} 1002 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 2, 6, 0) \\
L_{1218} &= \begin{bmatrix} 1002 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 2, 6, 0) \\
L_{1219} &= \begin{bmatrix} 1002 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 2, 6, 0) \\
L_{1220} &= \begin{bmatrix} 1002 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 2, 6, 0) \\
L_{1221} &= \begin{bmatrix} 1002 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 2, 6, 0) \\
L_{1222} &= \begin{bmatrix} 1002 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 2, 6, 0) \\
L_{1223} &= \begin{bmatrix} 1002 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 2, 6, 0) \\
L_{1224} &= \begin{bmatrix} 1002 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 2, 7, 0) \\
L_{1225} &= \begin{bmatrix} 1002 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 2, 7, 0) \\
L_{1226} &= \begin{bmatrix} 1002 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 2, 7, 0) \\
L_{1227} &= \begin{bmatrix} 1002 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 2, 7, 0) \\
L_{1228} &= \begin{bmatrix} 1002 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 2, 7, 0) \\
L_{1229} &= \begin{bmatrix} 1002 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 2, 7, 0) \\
L_{1230} &= \begin{bmatrix} 1002 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 2, 7, 0)
\end{aligned}$$

$$\begin{aligned}
L_{1231} &= \begin{bmatrix} 1002 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 2, 7, 0) \\
L_{1232} &= \begin{bmatrix} 1002 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 0, 0, 0) \\
L_{1233} &= \begin{bmatrix} 1002 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 0, 1, 0) \\
L_{1234} &= \begin{bmatrix} 1002 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 0, 2, 0) \\
L_{1235} &= \begin{bmatrix} 1002 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 0, 3, 0) \\
L_{1236} &= \begin{bmatrix} 1002 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 0, 4, 0) \\
L_{1237} &= \begin{bmatrix} 1002 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 0, 5, 0) \\
L_{1238} &= \begin{bmatrix} 1002 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 0, 6, 0) \\
L_{1239} &= \begin{bmatrix} 1002 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 0, 7, 0) \\
L_{1240} &= \begin{bmatrix} 1020 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 2, 0, 0, 1, 0) \\
L_{1241} &= \begin{bmatrix} 1012 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 2, 0, 1) \\
L_{1242} &= \begin{bmatrix} 1012 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 2, 0, 1) \\
L_{1243} &= \begin{bmatrix} 1012 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 2, 0, 1) \\
L_{1244} &= \begin{bmatrix} 1012 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 2, 0, 1) \\
L_{1245} &= \begin{bmatrix} 1012 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 2, 0, 1) \\
L_{1246} &= \begin{bmatrix} 1012 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 2, 0, 1) \\
L_{1247} &= \begin{bmatrix} 1012 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 2, 0, 1) \\
L_{1248} &= \begin{bmatrix} 1012 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 2, 0, 1) \\
L_{1249} &= \begin{bmatrix} 1012 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 2, 1, 1) \\
L_{1250} &= \begin{bmatrix} 1012 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 2, 1, 1) \\
L_{1251} &= \begin{bmatrix} 1012 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 2, 1, 1)
\end{aligned}$$

$$\begin{aligned}
L_{1252} &= \begin{bmatrix} 1012 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 2, 1, 1) \\
L_{1253} &= \begin{bmatrix} 1012 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 2, 1, 1) \\
L_{1254} &= \begin{bmatrix} 1012 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 2, 1, 1) \\
L_{1255} &= \begin{bmatrix} 1012 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 2, 1, 1) \\
L_{1256} &= \begin{bmatrix} 1012 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 2, 1, 1) \\
L_{1257} &= \begin{bmatrix} 1012 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 2, 2, 1) \\
L_{1258} &= \begin{bmatrix} 1012 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 2, 2, 1) \\
L_{1259} &= \begin{bmatrix} 1012 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 2, 2, 1) \\
L_{1260} &= \begin{bmatrix} 1012 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 2, 2, 1) \\
L_{1261} &= \begin{bmatrix} 1012 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 2, 2, 1) \\
L_{1262} &= \begin{bmatrix} 1012 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 2, 2, 1) \\
L_{1263} &= \begin{bmatrix} 1012 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 2, 2, 1) \\
L_{1264} &= \begin{bmatrix} 1012 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 2, 2, 1) \\
L_{1265} &= \begin{bmatrix} 1012 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 2, 3, 1) \\
L_{1266} &= \begin{bmatrix} 1012 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 2, 3, 1) \\
L_{1267} &= \begin{bmatrix} 1012 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 2, 3, 1) \\
L_{1268} &= \begin{bmatrix} 1012 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 2, 3, 1) \\
L_{1269} &= \begin{bmatrix} 1012 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 2, 3, 1) \\
L_{1270} &= \begin{bmatrix} 1012 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 2, 3, 1) \\
L_{1271} &= \begin{bmatrix} 1012 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 2, 3, 1) \\
L_{1272} &= \begin{bmatrix} 1012 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 2, 3, 1)
\end{aligned}$$



$$\begin{aligned}
L_{1273} &= \begin{bmatrix} 1012 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 2, 4, 1) \\
L_{1274} &= \begin{bmatrix} 1012 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 2, 4, 1) \\
L_{1275} &= \begin{bmatrix} 1012 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 2, 4, 1) \\
L_{1276} &= \begin{bmatrix} 1012 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 2, 4, 1) \\
L_{1277} &= \begin{bmatrix} 1012 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 2, 4, 1) \\
L_{1278} &= \begin{bmatrix} 1012 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 2, 4, 1) \\
L_{1279} &= \begin{bmatrix} 1012 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 2, 4, 1) \\
L_{1280} &= \begin{bmatrix} 1012 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 2, 4, 1) \\
L_{1281} &= \begin{bmatrix} 1012 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 2, 5, 1) \\
L_{1282} &= \begin{bmatrix} 1012 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 2, 5, 1) \\
L_{1283} &= \begin{bmatrix} 1012 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 2, 5, 1) \\
L_{1284} &= \begin{bmatrix} 1012 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 2, 5, 1) \\
L_{1285} &= \begin{bmatrix} 1012 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 2, 5, 1) \\
L_{1286} &= \begin{bmatrix} 1012 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 2, 5, 1) \\
L_{1287} &= \begin{bmatrix} 1012 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 2, 5, 1) \\
L_{1288} &= \begin{bmatrix} 1012 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 2, 5, 1) \\
L_{1289} &= \begin{bmatrix} 1012 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 2, 6, 1) \\
L_{1290} &= \begin{bmatrix} 1012 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 2, 6, 1) \\
L_{1291} &= \begin{bmatrix} 1012 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 2, 6, 1) \\
L_{1292} &= \begin{bmatrix} 1012 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 2, 6, 1) \\
L_{1293} &= \begin{bmatrix} 1012 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 2, 6, 1)
\end{aligned}$$

$$\begin{aligned}
L_{1294} &= \begin{bmatrix} 1012 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 2, 6, 1) \\
L_{1295} &= \begin{bmatrix} 1012 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 2, 6, 1) \\
L_{1296} &= \begin{bmatrix} 1012 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 2, 6, 1) \\
L_{1297} &= \begin{bmatrix} 1012 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 2, 7, 1) \\
L_{1298} &= \begin{bmatrix} 1012 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 2, 7, 1) \\
L_{1299} &= \begin{bmatrix} 1012 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 2, 7, 1) \\
L_{1300} &= \begin{bmatrix} 1012 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 2, 7, 1) \\
L_{1301} &= \begin{bmatrix} 1012 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 2, 7, 1) \\
L_{1302} &= \begin{bmatrix} 1012 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 2, 7, 1) \\
L_{1303} &= \begin{bmatrix} 1012 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 2, 7, 1) \\
L_{1304} &= \begin{bmatrix} 1012 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 2, 7, 1) \\
L_{1305} &= \begin{bmatrix} 1102 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 0, 0, 1) \\
L_{1306} &= \begin{bmatrix} 1102 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 1, 1, 1) \\
L_{1307} &= \begin{bmatrix} 1102 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 2, 2, 1) \\
L_{1308} &= \begin{bmatrix} 1102 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 3, 3, 1) \\
L_{1309} &= \begin{bmatrix} 1102 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 4, 4, 1) \\
L_{1310} &= \begin{bmatrix} 1102 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 5, 5, 1) \\
L_{1311} &= \begin{bmatrix} 1102 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 6, 6, 1) \\
L_{1312} &= \begin{bmatrix} 1102 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 7, 7, 1) \\
L_{1313} &= \begin{bmatrix} 1120 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 2, 0, 1, 1, 0) \\
L_{1314} &= \begin{bmatrix} 1022 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 2, 0, 2)
\end{aligned}$$

$$\begin{aligned}
L_{1315} &= \begin{bmatrix} 1022 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 2, 0, 2) \\
L_{1316} &= \begin{bmatrix} 1022 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 2, 0, 2) \\
L_{1317} &= \begin{bmatrix} 1022 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 2, 0, 2) \\
L_{1318} &= \begin{bmatrix} 1022 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 2, 0, 2) \\
L_{1319} &= \begin{bmatrix} 1022 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 2, 0, 2) \\
L_{1320} &= \begin{bmatrix} 1022 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 2, 0, 2) \\
L_{1321} &= \begin{bmatrix} 1022 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 2, 0, 2) \\
L_{1322} &= \begin{bmatrix} 1022 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 2, 1, 2) \\
L_{1323} &= \begin{bmatrix} 1022 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 2, 1, 2) \\
L_{1324} &= \begin{bmatrix} 1022 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 2, 1, 2) \\
L_{1325} &= \begin{bmatrix} 1022 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 2, 1, 2) \\
L_{1326} &= \begin{bmatrix} 1022 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 2, 1, 2) \\
L_{1327} &= \begin{bmatrix} 1022 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 2, 1, 2) \\
L_{1328} &= \begin{bmatrix} 1022 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 2, 1, 2) \\
L_{1329} &= \begin{bmatrix} 1022 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 2, 1, 2) \\
L_{1330} &= \begin{bmatrix} 1022 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 2, 2, 2) \\
L_{1331} &= \begin{bmatrix} 1022 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 2, 2, 2) \\
L_{1332} &= \begin{bmatrix} 1022 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 2, 2, 2) \\
L_{1333} &= \begin{bmatrix} 1022 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 2, 2, 2) \\
L_{1334} &= \begin{bmatrix} 1022 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 2, 2, 2) \\
L_{1335} &= \begin{bmatrix} 1022 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 2, 2, 2)
\end{aligned}$$

$$\begin{aligned}
L_{1336} &= \begin{bmatrix} 1022 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 2, 2, 2) \\
L_{1337} &= \begin{bmatrix} 1022 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 2, 2, 2) \\
L_{1338} &= \begin{bmatrix} 1022 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 2, 3, 2) \\
L_{1339} &= \begin{bmatrix} 1022 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 2, 3, 2) \\
L_{1340} &= \begin{bmatrix} 1022 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 2, 3, 2) \\
L_{1341} &= \begin{bmatrix} 1022 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 2, 3, 2) \\
L_{1342} &= \begin{bmatrix} 1022 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 2, 3, 2) \\
L_{1343} &= \begin{bmatrix} 1022 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 2, 3, 2) \\
L_{1344} &= \begin{bmatrix} 1022 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 2, 3, 2) \\
L_{1345} &= \begin{bmatrix} 1022 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 2, 3, 2) \\
L_{1346} &= \begin{bmatrix} 1022 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 2, 4, 2) \\
L_{1347} &= \begin{bmatrix} 1022 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 2, 4, 2) \\
L_{1348} &= \begin{bmatrix} 1022 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 2, 4, 2) \\
L_{1349} &= \begin{bmatrix} 1022 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 2, 4, 2) \\
L_{1350} &= \begin{bmatrix} 1022 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 2, 4, 2) \\
L_{1351} &= \begin{bmatrix} 1022 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 2, 4, 2) \\
L_{1352} &= \begin{bmatrix} 1022 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 2, 4, 2) \\
L_{1353} &= \begin{bmatrix} 1022 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 2, 4, 2) \\
L_{1354} &= \begin{bmatrix} 1022 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 2, 5, 2) \\
L_{1355} &= \begin{bmatrix} 1022 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 2, 5, 2) \\
L_{1356} &= \begin{bmatrix} 1022 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 2, 5, 2)
\end{aligned}$$

$$\begin{aligned}
L_{1357} &= \begin{bmatrix} 1022 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 2, 5, 2) \\
L_{1358} &= \begin{bmatrix} 1022 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 2, 5, 2) \\
L_{1359} &= \begin{bmatrix} 1022 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 2, 5, 2) \\
L_{1360} &= \begin{bmatrix} 1022 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 2, 5, 2) \\
L_{1361} &= \begin{bmatrix} 1022 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 2, 5, 2) \\
L_{1362} &= \begin{bmatrix} 1022 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 2, 6, 2) \\
L_{1363} &= \begin{bmatrix} 1022 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 2, 6, 2) \\
L_{1364} &= \begin{bmatrix} 1022 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 2, 6, 2) \\
L_{1365} &= \begin{bmatrix} 1022 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 2, 6, 2) \\
L_{1366} &= \begin{bmatrix} 1022 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 2, 6, 2) \\
L_{1367} &= \begin{bmatrix} 1022 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 2, 6, 2) \\
L_{1368} &= \begin{bmatrix} 1022 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 2, 6, 2) \\
L_{1369} &= \begin{bmatrix} 1022 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 2, 6, 2) \\
L_{1370} &= \begin{bmatrix} 1022 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 2, 7, 2) \\
L_{1371} &= \begin{bmatrix} 1022 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 2, 7, 2) \\
L_{1372} &= \begin{bmatrix} 1022 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 2, 7, 2) \\
L_{1373} &= \begin{bmatrix} 1022 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 2, 7, 2) \\
L_{1374} &= \begin{bmatrix} 1022 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 2, 7, 2) \\
L_{1375} &= \begin{bmatrix} 1022 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 2, 7, 2) \\
L_{1376} &= \begin{bmatrix} 1022 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 2, 7, 2) \\
L_{1377} &= \begin{bmatrix} 1022 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 2, 7, 2)
\end{aligned}$$

$$\begin{aligned}
L_{1378} &= \begin{bmatrix} 1202 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 0, 0, 2) \\
L_{1379} &= \begin{bmatrix} 1202 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 2, 1, 2) \\
L_{1380} &= \begin{bmatrix} 1202 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 4, 2, 2) \\
L_{1381} &= \begin{bmatrix} 1202 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 6, 3, 2) \\
L_{1382} &= \begin{bmatrix} 1202 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 5, 4, 2) \\
L_{1383} &= \begin{bmatrix} 1202 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 7, 5, 2) \\
L_{1384} &= \begin{bmatrix} 1202 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 1, 6, 2) \\
L_{1385} &= \begin{bmatrix} 1202 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 3, 7, 2) \\
L_{1386} &= \begin{bmatrix} 1220 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 2, 0, 2, 1, 0) \\
L_{1387} &= \begin{bmatrix} 1032 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 2, 0, 3) \\
L_{1388} &= \begin{bmatrix} 1032 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 2, 0, 3) \\
L_{1389} &= \begin{bmatrix} 1032 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 2, 0, 3) \\
L_{1390} &= \begin{bmatrix} 1032 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 2, 0, 3) \\
L_{1391} &= \begin{bmatrix} 1032 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 2, 0, 3) \\
L_{1392} &= \begin{bmatrix} 1032 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 2, 0, 3) \\
L_{1393} &= \begin{bmatrix} 1032 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 2, 0, 3) \\
L_{1394} &= \begin{bmatrix} 1032 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 2, 0, 3) \\
L_{1395} &= \begin{bmatrix} 1032 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 2, 1, 3) \\
L_{1396} &= \begin{bmatrix} 1032 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 2, 1, 3) \\
L_{1397} &= \begin{bmatrix} 1032 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 2, 1, 3) \\
L_{1398} &= \begin{bmatrix} 1032 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 2, 1, 3)
\end{aligned}$$

$$\begin{aligned}
L_{1399} &= \begin{bmatrix} 1032 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 2, 1, 3) \\
L_{1400} &= \begin{bmatrix} 1032 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 2, 1, 3) \\
L_{1401} &= \begin{bmatrix} 1032 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 2, 1, 3) \\
L_{1402} &= \begin{bmatrix} 1032 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 2, 1, 3) \\
L_{1403} &= \begin{bmatrix} 1032 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 2, 2, 3) \\
L_{1404} &= \begin{bmatrix} 1032 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 2, 2, 3) \\
L_{1405} &= \begin{bmatrix} 1032 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 2, 2, 3) \\
L_{1406} &= \begin{bmatrix} 1032 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 2, 2, 3) \\
L_{1407} &= \begin{bmatrix} 1032 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 2, 2, 3) \\
L_{1408} &= \begin{bmatrix} 1032 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 2, 2, 3) \\
L_{1409} &= \begin{bmatrix} 1032 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 2, 2, 3) \\
L_{1410} &= \begin{bmatrix} 1032 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 2, 2, 3) \\
L_{1411} &= \begin{bmatrix} 1032 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 2, 3, 3) \\
L_{1412} &= \begin{bmatrix} 1032 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 2, 3, 3) \\
L_{1413} &= \begin{bmatrix} 1032 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 2, 3, 3) \\
L_{1414} &= \begin{bmatrix} 1032 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 2, 3, 3) \\
L_{1415} &= \begin{bmatrix} 1032 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 2, 3, 3) \\
L_{1416} &= \begin{bmatrix} 1032 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 2, 3, 3) \\
L_{1417} &= \begin{bmatrix} 1032 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 2, 3, 3) \\
L_{1418} &= \begin{bmatrix} 1032 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 2, 3, 3) \\
L_{1419} &= \begin{bmatrix} 1032 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 2, 4, 3)
\end{aligned}$$

$$\begin{aligned}
L_{1420} &= \begin{bmatrix} 1032 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 2, 4, 3) \\
L_{1421} &= \begin{bmatrix} 1032 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 2, 4, 3) \\
L_{1422} &= \begin{bmatrix} 1032 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 2, 4, 3) \\
L_{1423} &= \begin{bmatrix} 1032 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 2, 4, 3) \\
L_{1424} &= \begin{bmatrix} 1032 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 2, 4, 3) \\
L_{1425} &= \begin{bmatrix} 1032 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 2, 4, 3) \\
L_{1426} &= \begin{bmatrix} 1032 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 2, 4, 3) \\
L_{1427} &= \begin{bmatrix} 1032 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 2, 5, 3) \\
L_{1428} &= \begin{bmatrix} 1032 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 2, 5, 3) \\
L_{1429} &= \begin{bmatrix} 1032 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 2, 5, 3) \\
L_{1430} &= \begin{bmatrix} 1032 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 2, 5, 3) \\
L_{1431} &= \begin{bmatrix} 1032 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 2, 5, 3) \\
L_{1432} &= \begin{bmatrix} 1032 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 2, 5, 3) \\
L_{1433} &= \begin{bmatrix} 1032 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 2, 5, 3) \\
L_{1434} &= \begin{bmatrix} 1032 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 2, 5, 3) \\
L_{1435} &= \begin{bmatrix} 1032 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 2, 6, 3) \\
L_{1436} &= \begin{bmatrix} 1032 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 2, 6, 3) \\
L_{1437} &= \begin{bmatrix} 1032 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 2, 6, 3) \\
L_{1438} &= \begin{bmatrix} 1032 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 2, 6, 3) \\
L_{1439} &= \begin{bmatrix} 1032 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 2, 6, 3) \\
L_{1440} &= \begin{bmatrix} 1032 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 2, 6, 3)
\end{aligned}$$



$$\begin{aligned}
L_{1441} &= \begin{bmatrix} 1032 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 2, 6, 3) \\
L_{1442} &= \begin{bmatrix} 1032 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 2, 6, 3) \\
L_{1443} &= \begin{bmatrix} 1032 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 2, 7, 3) \\
L_{1444} &= \begin{bmatrix} 1032 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 2, 7, 3) \\
L_{1445} &= \begin{bmatrix} 1032 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 2, 7, 3) \\
L_{1446} &= \begin{bmatrix} 1032 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 2, 7, 3) \\
L_{1447} &= \begin{bmatrix} 1032 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 2, 7, 3) \\
L_{1448} &= \begin{bmatrix} 1032 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 2, 7, 3) \\
L_{1449} &= \begin{bmatrix} 1032 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 2, 7, 3) \\
L_{1450} &= \begin{bmatrix} 1032 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 2, 7, 3) \\
L_{1451} &= \begin{bmatrix} 1302 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 0, 0, 3) \\
L_{1452} &= \begin{bmatrix} 1302 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 3, 1, 3) \\
L_{1453} &= \begin{bmatrix} 1302 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 6, 2, 3) \\
L_{1454} &= \begin{bmatrix} 1302 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 5, 3, 3) \\
L_{1455} &= \begin{bmatrix} 1302 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 1, 4, 3) \\
L_{1456} &= \begin{bmatrix} 1302 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 2, 5, 3) \\
L_{1457} &= \begin{bmatrix} 1302 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 7, 6, 3) \\
L_{1458} &= \begin{bmatrix} 1302 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 4, 7, 3) \\
L_{1459} &= \begin{bmatrix} 1320 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 2, 0, 3, 1, 0) \\
L_{1460} &= \begin{bmatrix} 1042 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 2, 0, 4) \\
L_{1461} &= \begin{bmatrix} 1042 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 2, 0, 4)
\end{aligned}$$

$$\begin{aligned}
L_{1462} &= \begin{bmatrix} 1042 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 2, 0, 4) \\
L_{1463} &= \begin{bmatrix} 1042 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 2, 0, 4) \\
L_{1464} &= \begin{bmatrix} 1042 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 2, 0, 4) \\
L_{1465} &= \begin{bmatrix} 1042 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 2, 0, 4) \\
L_{1466} &= \begin{bmatrix} 1042 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 2, 0, 4) \\
L_{1467} &= \begin{bmatrix} 1042 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 2, 0, 4) \\
L_{1468} &= \begin{bmatrix} 1042 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 2, 1, 4) \\
L_{1469} &= \begin{bmatrix} 1042 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 2, 1, 4) \\
L_{1470} &= \begin{bmatrix} 1042 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 2, 1, 4) \\
L_{1471} &= \begin{bmatrix} 1042 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 2, 1, 4) \\
L_{1472} &= \begin{bmatrix} 1042 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 2, 1, 4) \\
L_{1473} &= \begin{bmatrix} 1042 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 2, 1, 4) \\
L_{1474} &= \begin{bmatrix} 1042 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 2, 1, 4) \\
L_{1475} &= \begin{bmatrix} 1042 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 2, 1, 4) \\
L_{1476} &= \begin{bmatrix} 1042 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 2, 2, 4) \\
L_{1477} &= \begin{bmatrix} 1042 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 2, 2, 4) \\
L_{1478} &= \begin{bmatrix} 1042 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 2, 2, 4) \\
L_{1479} &= \begin{bmatrix} 1042 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 2, 2, 4) \\
L_{1480} &= \begin{bmatrix} 1042 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 2, 2, 4) \\
L_{1481} &= \begin{bmatrix} 1042 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 2, 2, 4) \\
L_{1482} &= \begin{bmatrix} 1042 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 2, 2, 4)
\end{aligned}$$

$$\begin{aligned}
L_{1483} &= \begin{bmatrix} 1042 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 2, 2, 4) \\
L_{1484} &= \begin{bmatrix} 1042 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 2, 3, 4) \\
L_{1485} &= \begin{bmatrix} 1042 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 2, 3, 4) \\
L_{1486} &= \begin{bmatrix} 1042 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 2, 3, 4) \\
L_{1487} &= \begin{bmatrix} 1042 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 2, 3, 4) \\
L_{1488} &= \begin{bmatrix} 1042 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 2, 3, 4) \\
L_{1489} &= \begin{bmatrix} 1042 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 2, 3, 4) \\
L_{1490} &= \begin{bmatrix} 1042 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 2, 3, 4) \\
L_{1491} &= \begin{bmatrix} 1042 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 2, 3, 4) \\
L_{1492} &= \begin{bmatrix} 1042 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 2, 4, 4) \\
L_{1493} &= \begin{bmatrix} 1042 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 2, 4, 4) \\
L_{1494} &= \begin{bmatrix} 1042 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 2, 4, 4) \\
L_{1495} &= \begin{bmatrix} 1042 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 2, 4, 4) \\
L_{1496} &= \begin{bmatrix} 1042 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 2, 4, 4) \\
L_{1497} &= \begin{bmatrix} 1042 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 2, 4, 4) \\
L_{1498} &= \begin{bmatrix} 1042 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 2, 4, 4) \\
L_{1499} &= \begin{bmatrix} 1042 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 2, 4, 4) \\
L_{1500} &= \begin{bmatrix} 1042 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 2, 5, 4) \\
L_{1501} &= \begin{bmatrix} 1042 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 2, 5, 4) \\
L_{1502} &= \begin{bmatrix} 1042 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 2, 5, 4) \\
L_{1503} &= \begin{bmatrix} 1042 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 2, 5, 4)
\end{aligned}$$

$$\begin{aligned}
L_{1504} &= \begin{bmatrix} 1042 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 2, 5, 4) \\
L_{1505} &= \begin{bmatrix} 1042 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 2, 5, 4) \\
L_{1506} &= \begin{bmatrix} 1042 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 2, 5, 4) \\
L_{1507} &= \begin{bmatrix} 1042 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 2, 5, 4) \\
L_{1508} &= \begin{bmatrix} 1042 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 2, 6, 4) \\
L_{1509} &= \begin{bmatrix} 1042 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 2, 6, 4) \\
L_{1510} &= \begin{bmatrix} 1042 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 2, 6, 4) \\
L_{1511} &= \begin{bmatrix} 1042 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 2, 6, 4) \\
L_{1512} &= \begin{bmatrix} 1042 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 2, 6, 4) \\
L_{1513} &= \begin{bmatrix} 1042 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 2, 6, 4) \\
L_{1514} &= \begin{bmatrix} 1042 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 2, 6, 4) \\
L_{1515} &= \begin{bmatrix} 1042 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 2, 6, 4) \\
L_{1516} &= \begin{bmatrix} 1042 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 2, 7, 4) \\
L_{1517} &= \begin{bmatrix} 1042 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 2, 7, 4) \\
L_{1518} &= \begin{bmatrix} 1042 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 2, 7, 4) \\
L_{1519} &= \begin{bmatrix} 1042 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 2, 7, 4) \\
L_{1520} &= \begin{bmatrix} 1042 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 2, 7, 4) \\
L_{1521} &= \begin{bmatrix} 1042 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 2, 7, 4) \\
L_{1522} &= \begin{bmatrix} 1042 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 2, 7, 4) \\
L_{1523} &= \begin{bmatrix} 1042 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 2, 7, 4) \\
L_{1524} &= \begin{bmatrix} 1402 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 0, 0, 4)
\end{aligned}$$

$$\begin{aligned}
L_{1525} &= \begin{bmatrix} 1402 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 4, 1, 4) \\
L_{1526} &= \begin{bmatrix} 1402 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 5, 2, 4) \\
L_{1527} &= \begin{bmatrix} 1402 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 1, 3, 4) \\
L_{1528} &= \begin{bmatrix} 1402 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 7, 4, 4) \\
L_{1529} &= \begin{bmatrix} 1402 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 3, 5, 4) \\
L_{1530} &= \begin{bmatrix} 1402 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 2, 6, 4) \\
L_{1531} &= \begin{bmatrix} 1402 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 6, 7, 4) \\
L_{1532} &= \begin{bmatrix} 1420 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 2, 0, 4, 1, 0) \\
L_{1533} &= \begin{bmatrix} 1052 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 2, 0, 5) \\
L_{1534} &= \begin{bmatrix} 1052 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 2, 0, 5) \\
L_{1535} &= \begin{bmatrix} 1052 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 2, 0, 5) \\
L_{1536} &= \begin{bmatrix} 1052 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 2, 0, 5) \\
L_{1537} &= \begin{bmatrix} 1052 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 2, 0, 5) \\
L_{1538} &= \begin{bmatrix} 1052 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 2, 0, 5) \\
L_{1539} &= \begin{bmatrix} 1052 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 2, 0, 5) \\
L_{1540} &= \begin{bmatrix} 1052 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 2, 0, 5) \\
L_{1541} &= \begin{bmatrix} 1052 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 2, 1, 5) \\
L_{1542} &= \begin{bmatrix} 1052 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 2, 1, 5) \\
L_{1543} &= \begin{bmatrix} 1052 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 2, 1, 5) \\
L_{1544} &= \begin{bmatrix} 1052 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 2, 1, 5) \\
L_{1545} &= \begin{bmatrix} 1052 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 2, 1, 5)
\end{aligned}$$

$$\begin{aligned}
L_{1546} &= \begin{bmatrix} 1052 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 2, 1, 5) \\
L_{1547} &= \begin{bmatrix} 1052 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 2, 1, 5) \\
L_{1548} &= \begin{bmatrix} 1052 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 2, 1, 5) \\
L_{1549} &= \begin{bmatrix} 1052 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 2, 2, 5) \\
L_{1550} &= \begin{bmatrix} 1052 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 2, 2, 5) \\
L_{1551} &= \begin{bmatrix} 1052 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 2, 2, 5) \\
L_{1552} &= \begin{bmatrix} 1052 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 2, 2, 5) \\
L_{1553} &= \begin{bmatrix} 1052 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 2, 2, 5) \\
L_{1554} &= \begin{bmatrix} 1052 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 2, 2, 5) \\
L_{1555} &= \begin{bmatrix} 1052 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 2, 2, 5) \\
L_{1556} &= \begin{bmatrix} 1052 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 2, 2, 5) \\
L_{1557} &= \begin{bmatrix} 1052 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 2, 3, 5) \\
L_{1558} &= \begin{bmatrix} 1052 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 2, 3, 5) \\
L_{1559} &= \begin{bmatrix} 1052 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 2, 3, 5) \\
L_{1560} &= \begin{bmatrix} 1052 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 2, 3, 5) \\
L_{1561} &= \begin{bmatrix} 1052 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 2, 3, 5) \\
L_{1562} &= \begin{bmatrix} 1052 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 2, 3, 5) \\
L_{1563} &= \begin{bmatrix} 1052 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 2, 3, 5) \\
L_{1564} &= \begin{bmatrix} 1052 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 2, 3, 5) \\
L_{1565} &= \begin{bmatrix} 1052 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 2, 4, 5) \\
L_{1566} &= \begin{bmatrix} 1052 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 2, 4, 5)
\end{aligned}$$

$$\begin{aligned}
L_{1567} &= \begin{bmatrix} 1052 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 2, 4, 5) \\
L_{1568} &= \begin{bmatrix} 1052 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 2, 4, 5) \\
L_{1569} &= \begin{bmatrix} 1052 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 2, 4, 5) \\
L_{1570} &= \begin{bmatrix} 1052 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 2, 4, 5) \\
L_{1571} &= \begin{bmatrix} 1052 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 2, 4, 5) \\
L_{1572} &= \begin{bmatrix} 1052 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 2, 4, 5) \\
L_{1573} &= \begin{bmatrix} 1052 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 2, 5, 5) \\
L_{1574} &= \begin{bmatrix} 1052 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 2, 5, 5) \\
L_{1575} &= \begin{bmatrix} 1052 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 2, 5, 5) \\
L_{1576} &= \begin{bmatrix} 1052 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 2, 5, 5) \\
L_{1577} &= \begin{bmatrix} 1052 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 2, 5, 5) \\
L_{1578} &= \begin{bmatrix} 1052 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 2, 5, 5) \\
L_{1579} &= \begin{bmatrix} 1052 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 2, 5, 5) \\
L_{1580} &= \begin{bmatrix} 1052 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 2, 5, 5) \\
L_{1581} &= \begin{bmatrix} 1052 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 2, 6, 5) \\
L_{1582} &= \begin{bmatrix} 1052 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 2, 6, 5) \\
L_{1583} &= \begin{bmatrix} 1052 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 2, 6, 5) \\
L_{1584} &= \begin{bmatrix} 1052 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 2, 6, 5) \\
L_{1585} &= \begin{bmatrix} 1052 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 2, 6, 5) \\
L_{1586} &= \begin{bmatrix} 1052 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 2, 6, 5) \\
L_{1587} &= \begin{bmatrix} 1052 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 2, 6, 5)
\end{aligned}$$

$$\begin{aligned}
L_{1588} &= \begin{bmatrix} 1052 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 2, 6, 5) \\
L_{1589} &= \begin{bmatrix} 1052 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 2, 7, 5) \\
L_{1590} &= \begin{bmatrix} 1052 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 2, 7, 5) \\
L_{1591} &= \begin{bmatrix} 1052 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 2, 7, 5) \\
L_{1592} &= \begin{bmatrix} 1052 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 2, 7, 5) \\
L_{1593} &= \begin{bmatrix} 1052 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 2, 7, 5) \\
L_{1594} &= \begin{bmatrix} 1052 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 2, 7, 5) \\
L_{1595} &= \begin{bmatrix} 1052 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 2, 7, 5) \\
L_{1596} &= \begin{bmatrix} 1052 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 2, 7, 5) \\
L_{1597} &= \begin{bmatrix} 1502 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 0, 0, 5) \\
L_{1598} &= \begin{bmatrix} 1502 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 5, 1, 5) \\
L_{1599} &= \begin{bmatrix} 1502 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 7, 2, 5) \\
L_{1600} &= \begin{bmatrix} 1502 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 2, 3, 5) \\
L_{1601} &= \begin{bmatrix} 1502 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 3, 4, 5) \\
L_{1602} &= \begin{bmatrix} 1502 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 6, 5, 5) \\
L_{1603} &= \begin{bmatrix} 1502 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 4, 6, 5) \\
L_{1604} &= \begin{bmatrix} 1502 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 1, 7, 5) \\
L_{1605} &= \begin{bmatrix} 1520 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 2, 0, 5, 1, 0) \\
L_{1606} &= \begin{bmatrix} 1062 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 2, 0, 6) \\
L_{1607} &= \begin{bmatrix} 1062 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 2, 0, 6) \\
L_{1608} &= \begin{bmatrix} 1062 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 2, 0, 6)
\end{aligned}$$



$$\begin{aligned}
L_{1609} &= \begin{bmatrix} 1062 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 2, 0, 6) \\
L_{1610} &= \begin{bmatrix} 1062 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 2, 0, 6) \\
L_{1611} &= \begin{bmatrix} 1062 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 2, 0, 6) \\
L_{1612} &= \begin{bmatrix} 1062 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 2, 0, 6) \\
L_{1613} &= \begin{bmatrix} 1062 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 2, 0, 6) \\
L_{1614} &= \begin{bmatrix} 1062 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 2, 1, 6) \\
L_{1615} &= \begin{bmatrix} 1062 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 2, 1, 6) \\
L_{1616} &= \begin{bmatrix} 1062 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 2, 1, 6) \\
L_{1617} &= \begin{bmatrix} 1062 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 2, 1, 6) \\
L_{1618} &= \begin{bmatrix} 1062 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 2, 1, 6) \\
L_{1619} &= \begin{bmatrix} 1062 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 2, 1, 6) \\
L_{1620} &= \begin{bmatrix} 1062 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 2, 1, 6) \\
L_{1621} &= \begin{bmatrix} 1062 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 2, 1, 6) \\
L_{1622} &= \begin{bmatrix} 1062 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 2, 2, 6) \\
L_{1623} &= \begin{bmatrix} 1062 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 2, 2, 6) \\
L_{1624} &= \begin{bmatrix} 1062 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 2, 2, 6) \\
L_{1625} &= \begin{bmatrix} 1062 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 2, 2, 6) \\
L_{1626} &= \begin{bmatrix} 1062 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 2, 2, 6) \\
L_{1627} &= \begin{bmatrix} 1062 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 2, 2, 6) \\
L_{1628} &= \begin{bmatrix} 1062 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 2, 2, 6) \\
L_{1629} &= \begin{bmatrix} 1062 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 2, 2, 6)
\end{aligned}$$

$$\begin{aligned}
L_{1630} &= \begin{bmatrix} 1062 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 2, 3, 6) \\
L_{1631} &= \begin{bmatrix} 1062 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 2, 3, 6) \\
L_{1632} &= \begin{bmatrix} 1062 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 2, 3, 6) \\
L_{1633} &= \begin{bmatrix} 1062 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 2, 3, 6) \\
L_{1634} &= \begin{bmatrix} 1062 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 2, 3, 6) \\
L_{1635} &= \begin{bmatrix} 1062 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 2, 3, 6) \\
L_{1636} &= \begin{bmatrix} 1062 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 2, 3, 6) \\
L_{1637} &= \begin{bmatrix} 1062 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 2, 3, 6) \\
L_{1638} &= \begin{bmatrix} 1062 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 2, 4, 6) \\
L_{1639} &= \begin{bmatrix} 1062 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 2, 4, 6) \\
L_{1640} &= \begin{bmatrix} 1062 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 2, 4, 6) \\
L_{1641} &= \begin{bmatrix} 1062 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 2, 4, 6) \\
L_{1642} &= \begin{bmatrix} 1062 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 2, 4, 6) \\
L_{1643} &= \begin{bmatrix} 1062 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 2, 4, 6) \\
L_{1644} &= \begin{bmatrix} 1062 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 2, 4, 6) \\
L_{1645} &= \begin{bmatrix} 1062 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 2, 4, 6) \\
L_{1646} &= \begin{bmatrix} 1062 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 2, 5, 6) \\
L_{1647} &= \begin{bmatrix} 1062 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 2, 5, 6) \\
L_{1648} &= \begin{bmatrix} 1062 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 2, 5, 6) \\
L_{1649} &= \begin{bmatrix} 1062 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 2, 5, 6) \\
L_{1650} &= \begin{bmatrix} 1062 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 2, 5, 6)
\end{aligned}$$

$$\begin{aligned}
L_{1651} &= \begin{bmatrix} 1062 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 2, 5, 6) \\
L_{1652} &= \begin{bmatrix} 1062 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 2, 5, 6) \\
L_{1653} &= \begin{bmatrix} 1062 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 2, 5, 6) \\
L_{1654} &= \begin{bmatrix} 1062 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 2, 6, 6) \\
L_{1655} &= \begin{bmatrix} 1062 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 2, 6, 6) \\
L_{1656} &= \begin{bmatrix} 1062 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 2, 6, 6) \\
L_{1657} &= \begin{bmatrix} 1062 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 2, 6, 6) \\
L_{1658} &= \begin{bmatrix} 1062 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 2, 6, 6) \\
L_{1659} &= \begin{bmatrix} 1062 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 2, 6, 6) \\
L_{1660} &= \begin{bmatrix} 1062 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 2, 6, 6) \\
L_{1661} &= \begin{bmatrix} 1062 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 2, 6, 6) \\
L_{1662} &= \begin{bmatrix} 1062 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 2, 7, 6) \\
L_{1663} &= \begin{bmatrix} 1062 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 2, 7, 6) \\
L_{1664} &= \begin{bmatrix} 1062 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 2, 7, 6) \\
L_{1665} &= \begin{bmatrix} 1062 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 2, 7, 6) \\
L_{1666} &= \begin{bmatrix} 1062 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 2, 7, 6) \\
L_{1667} &= \begin{bmatrix} 1062 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 2, 7, 6) \\
L_{1668} &= \begin{bmatrix} 1062 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 2, 7, 6) \\
L_{1669} &= \begin{bmatrix} 1062 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 2, 7, 6) \\
L_{1670} &= \begin{bmatrix} 1602 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 0, 0, 6) \\
L_{1671} &= \begin{bmatrix} 1602 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 6, 1, 6)
\end{aligned}$$

$$\begin{aligned}
L_{1672} &= \begin{bmatrix} 1602 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 1, 2, 6) \\
L_{1673} &= \begin{bmatrix} 1602 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 7, 3, 6) \\
L_{1674} &= \begin{bmatrix} 1602 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 2, 4, 6) \\
L_{1675} &= \begin{bmatrix} 1602 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 4, 5, 6) \\
L_{1676} &= \begin{bmatrix} 1602 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 3, 6, 6) \\
L_{1677} &= \begin{bmatrix} 1602 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 5, 7, 6) \\
L_{1678} &= \begin{bmatrix} 1620 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 2, 0, 6, 1, 0) \\
L_{1679} &= \begin{bmatrix} 1072 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 2, 0, 7) \\
L_{1680} &= \begin{bmatrix} 1072 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 2, 0, 7) \\
L_{1681} &= \begin{bmatrix} 1072 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 2, 0, 7) \\
L_{1682} &= \begin{bmatrix} 1072 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 2, 0, 7) \\
L_{1683} &= \begin{bmatrix} 1072 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 2, 0, 7) \\
L_{1684} &= \begin{bmatrix} 1072 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 2, 0, 7) \\
L_{1685} &= \begin{bmatrix} 1072 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 2, 0, 7) \\
L_{1686} &= \begin{bmatrix} 1072 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 2, 0, 7) \\
L_{1687} &= \begin{bmatrix} 1072 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 2, 1, 7) \\
L_{1688} &= \begin{bmatrix} 1072 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 2, 1, 7) \\
L_{1689} &= \begin{bmatrix} 1072 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 2, 1, 7) \\
L_{1690} &= \begin{bmatrix} 1072 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 2, 1, 7) \\
L_{1691} &= \begin{bmatrix} 1072 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 2, 1, 7) \\
L_{1692} &= \begin{bmatrix} 1072 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 2, 1, 7)
\end{aligned}$$

$$\begin{aligned}
L_{1693} &= \begin{bmatrix} 1072 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 2, 1, 7) \\
L_{1694} &= \begin{bmatrix} 1072 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 2, 1, 7) \\
L_{1695} &= \begin{bmatrix} 1072 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 2, 2, 7) \\
L_{1696} &= \begin{bmatrix} 1072 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 2, 2, 7) \\
L_{1697} &= \begin{bmatrix} 1072 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 2, 2, 7) \\
L_{1698} &= \begin{bmatrix} 1072 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 2, 2, 7) \\
L_{1699} &= \begin{bmatrix} 1072 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 2, 2, 7) \\
L_{1700} &= \begin{bmatrix} 1072 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 2, 2, 7) \\
L_{1701} &= \begin{bmatrix} 1072 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 2, 2, 7) \\
L_{1702} &= \begin{bmatrix} 1072 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 2, 2, 7) \\
L_{1703} &= \begin{bmatrix} 1072 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 2, 3, 7) \\
L_{1704} &= \begin{bmatrix} 1072 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 2, 3, 7) \\
L_{1705} &= \begin{bmatrix} 1072 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 2, 3, 7) \\
L_{1706} &= \begin{bmatrix} 1072 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 2, 3, 7) \\
L_{1707} &= \begin{bmatrix} 1072 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 2, 3, 7) \\
L_{1708} &= \begin{bmatrix} 1072 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 2, 3, 7) \\
L_{1709} &= \begin{bmatrix} 1072 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 2, 3, 7) \\
L_{1710} &= \begin{bmatrix} 1072 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 2, 3, 7) \\
L_{1711} &= \begin{bmatrix} 1072 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 2, 4, 7) \\
L_{1712} &= \begin{bmatrix} 1072 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 2, 4, 7) \\
L_{1713} &= \begin{bmatrix} 1072 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 2, 4, 7)
\end{aligned}$$

$$\begin{aligned}
L_{1714} &= \begin{bmatrix} 1072 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 2, 4, 7) \\
L_{1715} &= \begin{bmatrix} 1072 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 2, 4, 7) \\
L_{1716} &= \begin{bmatrix} 1072 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 2, 4, 7) \\
L_{1717} &= \begin{bmatrix} 1072 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 2, 4, 7) \\
L_{1718} &= \begin{bmatrix} 1072 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 2, 4, 7) \\
L_{1719} &= \begin{bmatrix} 1072 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 2, 5, 7) \\
L_{1720} &= \begin{bmatrix} 1072 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 2, 5, 7) \\
L_{1721} &= \begin{bmatrix} 1072 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 2, 5, 7) \\
L_{1722} &= \begin{bmatrix} 1072 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 2, 5, 7) \\
L_{1723} &= \begin{bmatrix} 1072 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 2, 5, 7) \\
L_{1724} &= \begin{bmatrix} 1072 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 2, 5, 7) \\
L_{1725} &= \begin{bmatrix} 1072 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 2, 5, 7) \\
L_{1726} &= \begin{bmatrix} 1072 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 2, 5, 7) \\
L_{1727} &= \begin{bmatrix} 1072 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 2, 6, 7) \\
L_{1728} &= \begin{bmatrix} 1072 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 2, 6, 7) \\
L_{1729} &= \begin{bmatrix} 1072 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 2, 6, 7) \\
L_{1730} &= \begin{bmatrix} 1072 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 2, 6, 7) \\
L_{1731} &= \begin{bmatrix} 1072 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 2, 6, 7) \\
L_{1732} &= \begin{bmatrix} 1072 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 2, 6, 7) \\
L_{1733} &= \begin{bmatrix} 1072 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 2, 6, 7) \\
L_{1734} &= \begin{bmatrix} 1072 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 2, 6, 7)
\end{aligned}$$

$$\begin{aligned}
L_{1735} &= \begin{bmatrix} 1072 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 2, 7, 7) \\
L_{1736} &= \begin{bmatrix} 1072 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 2, 7, 7) \\
L_{1737} &= \begin{bmatrix} 1072 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 2, 7, 7) \\
L_{1738} &= \begin{bmatrix} 1072 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 2, 7, 7) \\
L_{1739} &= \begin{bmatrix} 1072 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 2, 7, 7) \\
L_{1740} &= \begin{bmatrix} 1072 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 2, 7, 7) \\
L_{1741} &= \begin{bmatrix} 1072 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 2, 7, 7) \\
L_{1742} &= \begin{bmatrix} 1072 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 2, 7, 7) \\
L_{1743} &= \begin{bmatrix} 1702 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 0, 0, 7) \\
L_{1744} &= \begin{bmatrix} 1702 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 7, 1, 7) \\
L_{1745} &= \begin{bmatrix} 1702 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 3, 2, 7) \\
L_{1746} &= \begin{bmatrix} 1702 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 4, 3, 7) \\
L_{1747} &= \begin{bmatrix} 1702 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 6, 4, 7) \\
L_{1748} &= \begin{bmatrix} 1702 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 1, 5, 7) \\
L_{1749} &= \begin{bmatrix} 1702 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 5, 6, 7) \\
L_{1750} &= \begin{bmatrix} 1702 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 2, 1, 2, 7, 7) \\
L_{1751} &= \begin{bmatrix} 1720 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 2, 0, 7, 1, 0) \\
L_{1752} &= \begin{bmatrix} 1003 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 3, 0, 0) \\
L_{1753} &= \begin{bmatrix} 1003 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 3, 0, 0) \\
L_{1754} &= \begin{bmatrix} 1003 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 3, 0, 0) \\
L_{1755} &= \begin{bmatrix} 1003 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 3, 0, 0)
\end{aligned}$$

$$\begin{aligned}
L_{1756} &= \begin{bmatrix} 1003 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 3, 0, 0) \\
L_{1757} &= \begin{bmatrix} 1003 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 3, 0, 0) \\
L_{1758} &= \begin{bmatrix} 1003 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 3, 0, 0) \\
L_{1759} &= \begin{bmatrix} 1003 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 3, 0, 0) \\
L_{1760} &= \begin{bmatrix} 1003 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 3, 1, 0) \\
L_{1761} &= \begin{bmatrix} 1003 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 3, 1, 0) \\
L_{1762} &= \begin{bmatrix} 1003 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 3, 1, 0) \\
L_{1763} &= \begin{bmatrix} 1003 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 3, 1, 0) \\
L_{1764} &= \begin{bmatrix} 1003 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 3, 1, 0) \\
L_{1765} &= \begin{bmatrix} 1003 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 3, 1, 0) \\
L_{1766} &= \begin{bmatrix} 1003 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 3, 1, 0) \\
L_{1767} &= \begin{bmatrix} 1003 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 3, 1, 0) \\
L_{1768} &= \begin{bmatrix} 1003 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 3, 2, 0) \\
L_{1769} &= \begin{bmatrix} 1003 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 3, 2, 0) \\
L_{1770} &= \begin{bmatrix} 1003 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 3, 2, 0) \\
L_{1771} &= \begin{bmatrix} 1003 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 3, 2, 0) \\
L_{1772} &= \begin{bmatrix} 1003 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 3, 2, 0) \\
L_{1773} &= \begin{bmatrix} 1003 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 3, 2, 0) \\
L_{1774} &= \begin{bmatrix} 1003 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 3, 2, 0) \\
L_{1775} &= \begin{bmatrix} 1003 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 3, 2, 0) \\
L_{1776} &= \begin{bmatrix} 1003 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 3, 3, 0)
\end{aligned}$$



$$\begin{aligned}
L_{1777} &= \begin{bmatrix} 1003 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 3, 3, 0) \\
L_{1778} &= \begin{bmatrix} 1003 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 3, 3, 0) \\
L_{1779} &= \begin{bmatrix} 1003 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 3, 3, 0) \\
L_{1780} &= \begin{bmatrix} 1003 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 3, 3, 0) \\
L_{1781} &= \begin{bmatrix} 1003 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 3, 3, 0) \\
L_{1782} &= \begin{bmatrix} 1003 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 3, 3, 0) \\
L_{1783} &= \begin{bmatrix} 1003 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 3, 3, 0) \\
L_{1784} &= \begin{bmatrix} 1003 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 3, 4, 0) \\
L_{1785} &= \begin{bmatrix} 1003 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 3, 4, 0) \\
L_{1786} &= \begin{bmatrix} 1003 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 3, 4, 0) \\
L_{1787} &= \begin{bmatrix} 1003 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 3, 4, 0) \\
L_{1788} &= \begin{bmatrix} 1003 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 3, 4, 0) \\
L_{1789} &= \begin{bmatrix} 1003 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 3, 4, 0) \\
L_{1790} &= \begin{bmatrix} 1003 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 3, 4, 0) \\
L_{1791} &= \begin{bmatrix} 1003 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 3, 4, 0) \\
L_{1792} &= \begin{bmatrix} 1003 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 3, 5, 0) \\
L_{1793} &= \begin{bmatrix} 1003 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 3, 5, 0) \\
L_{1794} &= \begin{bmatrix} 1003 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 3, 5, 0) \\
L_{1795} &= \begin{bmatrix} 1003 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 3, 5, 0) \\
L_{1796} &= \begin{bmatrix} 1003 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 3, 5, 0) \\
L_{1797} &= \begin{bmatrix} 1003 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 3, 5, 0)
\end{aligned}$$

$$\begin{aligned}
L_{1798} &= \begin{bmatrix} 1003 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 3, 5, 0) \\
L_{1799} &= \begin{bmatrix} 1003 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 3, 5, 0) \\
L_{1800} &= \begin{bmatrix} 1003 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 3, 6, 0) \\
L_{1801} &= \begin{bmatrix} 1003 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 3, 6, 0) \\
L_{1802} &= \begin{bmatrix} 1003 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 3, 6, 0) \\
L_{1803} &= \begin{bmatrix} 1003 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 3, 6, 0) \\
L_{1804} &= \begin{bmatrix} 1003 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 3, 6, 0) \\
L_{1805} &= \begin{bmatrix} 1003 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 3, 6, 0) \\
L_{1806} &= \begin{bmatrix} 1003 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 3, 6, 0) \\
L_{1807} &= \begin{bmatrix} 1003 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 3, 6, 0) \\
L_{1808} &= \begin{bmatrix} 1003 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 3, 7, 0) \\
L_{1809} &= \begin{bmatrix} 1003 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 3, 7, 0) \\
L_{1810} &= \begin{bmatrix} 1003 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 3, 7, 0) \\
L_{1811} &= \begin{bmatrix} 1003 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 3, 7, 0) \\
L_{1812} &= \begin{bmatrix} 1003 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 3, 7, 0) \\
L_{1813} &= \begin{bmatrix} 1003 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 3, 7, 0) \\
L_{1814} &= \begin{bmatrix} 1003 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 3, 7, 0) \\
L_{1815} &= \begin{bmatrix} 1003 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 3, 7, 0) \\
L_{1816} &= \begin{bmatrix} 1003 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 0, 0, 0) \\
L_{1817} &= \begin{bmatrix} 1003 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 0, 1, 0) \\
L_{1818} &= \begin{bmatrix} 1003 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 0, 2, 0)
\end{aligned}$$

$$\begin{aligned}
L_{1819} &= \begin{bmatrix} 1003 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 0, 3, 0) \\
L_{1820} &= \begin{bmatrix} 1003 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 0, 4, 0) \\
L_{1821} &= \begin{bmatrix} 1003 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 0, 5, 0) \\
L_{1822} &= \begin{bmatrix} 1003 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 0, 6, 0) \\
L_{1823} &= \begin{bmatrix} 1003 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 0, 7, 0) \\
L_{1824} &= \begin{bmatrix} 1030 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 3, 0, 0, 1, 0) \\
L_{1825} &= \begin{bmatrix} 1013 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 3, 0, 1) \\
L_{1826} &= \begin{bmatrix} 1013 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 3, 0, 1) \\
L_{1827} &= \begin{bmatrix} 1013 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 3, 0, 1) \\
L_{1828} &= \begin{bmatrix} 1013 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 3, 0, 1) \\
L_{1829} &= \begin{bmatrix} 1013 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 3, 0, 1) \\
L_{1830} &= \begin{bmatrix} 1013 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 3, 0, 1) \\
L_{1831} &= \begin{bmatrix} 1013 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 3, 0, 1) \\
L_{1832} &= \begin{bmatrix} 1013 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 3, 0, 1) \\
L_{1833} &= \begin{bmatrix} 1013 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 3, 1, 1) \\
L_{1834} &= \begin{bmatrix} 1013 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 3, 1, 1) \\
L_{1835} &= \begin{bmatrix} 1013 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 3, 1, 1) \\
L_{1836} &= \begin{bmatrix} 1013 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 3, 1, 1) \\
L_{1837} &= \begin{bmatrix} 1013 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 3, 1, 1) \\
L_{1838} &= \begin{bmatrix} 1013 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 3, 1, 1) \\
L_{1839} &= \begin{bmatrix} 1013 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 3, 1, 1)
\end{aligned}$$

$$\begin{aligned}
L_{1840} &= \begin{bmatrix} 1013 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 3, 1, 1) \\
L_{1841} &= \begin{bmatrix} 1013 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 3, 2, 1) \\
L_{1842} &= \begin{bmatrix} 1013 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 3, 2, 1) \\
L_{1843} &= \begin{bmatrix} 1013 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 3, 2, 1) \\
L_{1844} &= \begin{bmatrix} 1013 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 3, 2, 1) \\
L_{1845} &= \begin{bmatrix} 1013 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 3, 2, 1) \\
L_{1846} &= \begin{bmatrix} 1013 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 3, 2, 1) \\
L_{1847} &= \begin{bmatrix} 1013 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 3, 2, 1) \\
L_{1848} &= \begin{bmatrix} 1013 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 3, 2, 1) \\
L_{1849} &= \begin{bmatrix} 1013 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 3, 3, 1) \\
L_{1850} &= \begin{bmatrix} 1013 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 3, 3, 1) \\
L_{1851} &= \begin{bmatrix} 1013 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 3, 3, 1) \\
L_{1852} &= \begin{bmatrix} 1013 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 3, 3, 1) \\
L_{1853} &= \begin{bmatrix} 1013 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 3, 3, 1) \\
L_{1854} &= \begin{bmatrix} 1013 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 3, 3, 1) \\
L_{1855} &= \begin{bmatrix} 1013 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 3, 3, 1) \\
L_{1856} &= \begin{bmatrix} 1013 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 3, 3, 1) \\
L_{1857} &= \begin{bmatrix} 1013 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 3, 4, 1) \\
L_{1858} &= \begin{bmatrix} 1013 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 3, 4, 1) \\
L_{1859} &= \begin{bmatrix} 1013 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 3, 4, 1) \\
L_{1860} &= \begin{bmatrix} 1013 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 3, 4, 1)
\end{aligned}$$

$$\begin{aligned}
L_{1861} &= \begin{bmatrix} 1013 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 3, 4, 1) \\
L_{1862} &= \begin{bmatrix} 1013 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 3, 4, 1) \\
L_{1863} &= \begin{bmatrix} 1013 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 3, 4, 1) \\
L_{1864} &= \begin{bmatrix} 1013 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 3, 4, 1) \\
L_{1865} &= \begin{bmatrix} 1013 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 3, 5, 1) \\
L_{1866} &= \begin{bmatrix} 1013 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 3, 5, 1) \\
L_{1867} &= \begin{bmatrix} 1013 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 3, 5, 1) \\
L_{1868} &= \begin{bmatrix} 1013 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 3, 5, 1) \\
L_{1869} &= \begin{bmatrix} 1013 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 3, 5, 1) \\
L_{1870} &= \begin{bmatrix} 1013 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 3, 5, 1) \\
L_{1871} &= \begin{bmatrix} 1013 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 3, 5, 1) \\
L_{1872} &= \begin{bmatrix} 1013 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 3, 5, 1) \\
L_{1873} &= \begin{bmatrix} 1013 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 3, 6, 1) \\
L_{1874} &= \begin{bmatrix} 1013 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 3, 6, 1) \\
L_{1875} &= \begin{bmatrix} 1013 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 3, 6, 1) \\
L_{1876} &= \begin{bmatrix} 1013 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 3, 6, 1) \\
L_{1877} &= \begin{bmatrix} 1013 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 3, 6, 1) \\
L_{1878} &= \begin{bmatrix} 1013 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 3, 6, 1) \\
L_{1879} &= \begin{bmatrix} 1013 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 3, 6, 1) \\
L_{1880} &= \begin{bmatrix} 1013 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 3, 6, 1) \\
L_{1881} &= \begin{bmatrix} 1013 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 3, 7, 1)
\end{aligned}$$

$$\begin{aligned}
L_{1882} &= \begin{bmatrix} 1013 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 3, 7, 1) \\
L_{1883} &= \begin{bmatrix} 1013 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 3, 7, 1) \\
L_{1884} &= \begin{bmatrix} 1013 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 3, 7, 1) \\
L_{1885} &= \begin{bmatrix} 1013 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 3, 7, 1) \\
L_{1886} &= \begin{bmatrix} 1013 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 3, 7, 1) \\
L_{1887} &= \begin{bmatrix} 1013 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 3, 7, 1) \\
L_{1888} &= \begin{bmatrix} 1013 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 3, 7, 1) \\
L_{1889} &= \begin{bmatrix} 1103 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 0, 0, 1) \\
L_{1890} &= \begin{bmatrix} 1103 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 1, 1, 1) \\
L_{1891} &= \begin{bmatrix} 1103 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 2, 2, 1) \\
L_{1892} &= \begin{bmatrix} 1103 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 3, 3, 1) \\
L_{1893} &= \begin{bmatrix} 1103 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 4, 4, 1) \\
L_{1894} &= \begin{bmatrix} 1103 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 5, 5, 1) \\
L_{1895} &= \begin{bmatrix} 1103 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 6, 6, 1) \\
L_{1896} &= \begin{bmatrix} 1103 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 7, 7, 1) \\
L_{1897} &= \begin{bmatrix} 1130 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 3, 0, 1, 1, 0) \\
L_{1898} &= \begin{bmatrix} 1023 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 3, 0, 2) \\
L_{1899} &= \begin{bmatrix} 1023 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 3, 0, 2) \\
L_{1900} &= \begin{bmatrix} 1023 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 3, 0, 2) \\
L_{1901} &= \begin{bmatrix} 1023 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 3, 0, 2) \\
L_{1902} &= \begin{bmatrix} 1023 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 3, 0, 2)
\end{aligned}$$

$$\begin{aligned}
L_{1903} &= \begin{bmatrix} 1023 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 3, 0, 2) \\
L_{1904} &= \begin{bmatrix} 1023 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 3, 0, 2) \\
L_{1905} &= \begin{bmatrix} 1023 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 3, 0, 2) \\
L_{1906} &= \begin{bmatrix} 1023 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 3, 1, 2) \\
L_{1907} &= \begin{bmatrix} 1023 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 3, 1, 2) \\
L_{1908} &= \begin{bmatrix} 1023 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 3, 1, 2) \\
L_{1909} &= \begin{bmatrix} 1023 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 3, 1, 2) \\
L_{1910} &= \begin{bmatrix} 1023 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 3, 1, 2) \\
L_{1911} &= \begin{bmatrix} 1023 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 3, 1, 2) \\
L_{1912} &= \begin{bmatrix} 1023 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 3, 1, 2) \\
L_{1913} &= \begin{bmatrix} 1023 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 3, 1, 2) \\
L_{1914} &= \begin{bmatrix} 1023 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 3, 2, 2) \\
L_{1915} &= \begin{bmatrix} 1023 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 3, 2, 2) \\
L_{1916} &= \begin{bmatrix} 1023 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 3, 2, 2) \\
L_{1917} &= \begin{bmatrix} 1023 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 3, 2, 2) \\
L_{1918} &= \begin{bmatrix} 1023 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 3, 2, 2) \\
L_{1919} &= \begin{bmatrix} 1023 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 3, 2, 2) \\
L_{1920} &= \begin{bmatrix} 1023 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 3, 2, 2) \\
L_{1921} &= \begin{bmatrix} 1023 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 3, 2, 2) \\
L_{1922} &= \begin{bmatrix} 1023 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 3, 3, 2) \\
L_{1923} &= \begin{bmatrix} 1023 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 3, 3, 2)
\end{aligned}$$

$$\begin{aligned}
L_{1924} &= \begin{bmatrix} 1023 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 3, 3, 2) \\
L_{1925} &= \begin{bmatrix} 1023 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 3, 3, 2) \\
L_{1926} &= \begin{bmatrix} 1023 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 3, 3, 2) \\
L_{1927} &= \begin{bmatrix} 1023 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 3, 3, 2) \\
L_{1928} &= \begin{bmatrix} 1023 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 3, 3, 2) \\
L_{1929} &= \begin{bmatrix} 1023 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 3, 3, 2) \\
L_{1930} &= \begin{bmatrix} 1023 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 3, 4, 2) \\
L_{1931} &= \begin{bmatrix} 1023 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 3, 4, 2) \\
L_{1932} &= \begin{bmatrix} 1023 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 3, 4, 2) \\
L_{1933} &= \begin{bmatrix} 1023 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 3, 4, 2) \\
L_{1934} &= \begin{bmatrix} 1023 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 3, 4, 2) \\
L_{1935} &= \begin{bmatrix} 1023 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 3, 4, 2) \\
L_{1936} &= \begin{bmatrix} 1023 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 3, 4, 2) \\
L_{1937} &= \begin{bmatrix} 1023 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 3, 4, 2) \\
L_{1938} &= \begin{bmatrix} 1023 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 3, 5, 2) \\
L_{1939} &= \begin{bmatrix} 1023 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 3, 5, 2) \\
L_{1940} &= \begin{bmatrix} 1023 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 3, 5, 2) \\
L_{1941} &= \begin{bmatrix} 1023 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 3, 5, 2) \\
L_{1942} &= \begin{bmatrix} 1023 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 3, 5, 2) \\
L_{1943} &= \begin{bmatrix} 1023 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 3, 5, 2) \\
L_{1944} &= \begin{bmatrix} 1023 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 3, 5, 2)
\end{aligned}$$



$$\begin{aligned}
L_{1945} &= \begin{bmatrix} 1023 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 3, 5, 2) \\
L_{1946} &= \begin{bmatrix} 1023 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 3, 6, 2) \\
L_{1947} &= \begin{bmatrix} 1023 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 3, 6, 2) \\
L_{1948} &= \begin{bmatrix} 1023 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 3, 6, 2) \\
L_{1949} &= \begin{bmatrix} 1023 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 3, 6, 2) \\
L_{1950} &= \begin{bmatrix} 1023 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 3, 6, 2) \\
L_{1951} &= \begin{bmatrix} 1023 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 3, 6, 2) \\
L_{1952} &= \begin{bmatrix} 1023 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 3, 6, 2) \\
L_{1953} &= \begin{bmatrix} 1023 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 3, 6, 2) \\
L_{1954} &= \begin{bmatrix} 1023 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 3, 7, 2) \\
L_{1955} &= \begin{bmatrix} 1023 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 3, 7, 2) \\
L_{1956} &= \begin{bmatrix} 1023 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 3, 7, 2) \\
L_{1957} &= \begin{bmatrix} 1023 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 3, 7, 2) \\
L_{1958} &= \begin{bmatrix} 1023 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 3, 7, 2) \\
L_{1959} &= \begin{bmatrix} 1023 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 3, 7, 2) \\
L_{1960} &= \begin{bmatrix} 1023 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 3, 7, 2) \\
L_{1961} &= \begin{bmatrix} 1023 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 3, 7, 2) \\
L_{1962} &= \begin{bmatrix} 1203 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 0, 0, 2) \\
L_{1963} &= \begin{bmatrix} 1203 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 2, 1, 2) \\
L_{1964} &= \begin{bmatrix} 1203 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 4, 2, 2) \\
L_{1965} &= \begin{bmatrix} 1203 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 6, 3, 2)
\end{aligned}$$

$$\begin{aligned}
L_{1966} &= \begin{bmatrix} 1203 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 5, 4, 2) \\
L_{1967} &= \begin{bmatrix} 1203 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 7, 5, 2) \\
L_{1968} &= \begin{bmatrix} 1203 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 1, 6, 2) \\
L_{1969} &= \begin{bmatrix} 1203 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 3, 7, 2) \\
L_{1970} &= \begin{bmatrix} 1230 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 3, 0, 2, 1, 0) \\
L_{1971} &= \begin{bmatrix} 1033 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 3, 0, 3) \\
L_{1972} &= \begin{bmatrix} 1033 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 3, 0, 3) \\
L_{1973} &= \begin{bmatrix} 1033 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 3, 0, 3) \\
L_{1974} &= \begin{bmatrix} 1033 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 3, 0, 3) \\
L_{1975} &= \begin{bmatrix} 1033 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 3, 0, 3) \\
L_{1976} &= \begin{bmatrix} 1033 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 3, 0, 3) \\
L_{1977} &= \begin{bmatrix} 1033 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 3, 0, 3) \\
L_{1978} &= \begin{bmatrix} 1033 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 3, 0, 3) \\
L_{1979} &= \begin{bmatrix} 1033 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 3, 1, 3) \\
L_{1980} &= \begin{bmatrix} 1033 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 3, 1, 3) \\
L_{1981} &= \begin{bmatrix} 1033 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 3, 1, 3) \\
L_{1982} &= \begin{bmatrix} 1033 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 3, 1, 3) \\
L_{1983} &= \begin{bmatrix} 1033 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 3, 1, 3) \\
L_{1984} &= \begin{bmatrix} 1033 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 3, 1, 3) \\
L_{1985} &= \begin{bmatrix} 1033 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 3, 1, 3) \\
L_{1986} &= \begin{bmatrix} 1033 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 3, 1, 3)
\end{aligned}$$

$$\begin{aligned}
L_{1987} &= \begin{bmatrix} 1033 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 3, 2, 3) \\
L_{1988} &= \begin{bmatrix} 1033 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 3, 2, 3) \\
L_{1989} &= \begin{bmatrix} 1033 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 3, 2, 3) \\
L_{1990} &= \begin{bmatrix} 1033 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 3, 2, 3) \\
L_{1991} &= \begin{bmatrix} 1033 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 3, 2, 3) \\
L_{1992} &= \begin{bmatrix} 1033 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 3, 2, 3) \\
L_{1993} &= \begin{bmatrix} 1033 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 3, 2, 3) \\
L_{1994} &= \begin{bmatrix} 1033 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 3, 2, 3) \\
L_{1995} &= \begin{bmatrix} 1033 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 3, 3, 3) \\
L_{1996} &= \begin{bmatrix} 1033 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 3, 3, 3) \\
L_{1997} &= \begin{bmatrix} 1033 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 3, 3, 3) \\
L_{1998} &= \begin{bmatrix} 1033 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 3, 3, 3) \\
L_{1999} &= \begin{bmatrix} 1033 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 3, 3, 3)
\end{aligned}$$

$$\begin{aligned}
L_{2000} &= \begin{bmatrix} 1033 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 3, 3, 3) \\
L_{2001} &= \begin{bmatrix} 1033 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 3, 3, 3) \\
L_{2002} &= \begin{bmatrix} 1033 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 3, 3, 3) \\
L_{2003} &= \begin{bmatrix} 1033 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 3, 4, 3) \\
L_{2004} &= \begin{bmatrix} 1033 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 3, 4, 3) \\
L_{2005} &= \begin{bmatrix} 1033 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 3, 4, 3) \\
L_{2006} &= \begin{bmatrix} 1033 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 3, 4, 3) \\
L_{2007} &= \begin{bmatrix} 1033 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 3, 4, 3) \\
L_{2008} &= \begin{bmatrix} 1033 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 3, 4, 3) \\
L_{2009} &= \begin{bmatrix} 1033 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 3, 4, 3) \\
L_{2010} &= \begin{bmatrix} 1033 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 3, 4, 3) \\
L_{2011} &= \begin{bmatrix} 1033 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 3, 5, 3) \\
L_{2012} &= \begin{bmatrix} 1033 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 3, 5, 3) \\
L_{2013} &= \begin{bmatrix} 1033 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 3, 5, 3) \\
L_{2014} &= \begin{bmatrix} 1033 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 3, 5, 3) \\
L_{2015} &= \begin{bmatrix} 1033 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 3, 5, 3) \\
L_{2016} &= \begin{bmatrix} 1033 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 3, 5, 3) \\
L_{2017} &= \begin{bmatrix} 1033 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 3, 5, 3) \\
L_{2018} &= \begin{bmatrix} 1033 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 3, 5, 3) \\
L_{2019} &= \begin{bmatrix} 1033 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 3, 6, 3) \\
L_{2020} &= \begin{bmatrix} 1033 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 3, 6, 3)
\end{aligned}$$

$$\begin{aligned}
L_{2021} &= \begin{bmatrix} 1033 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 3, 6, 3) \\
L_{2022} &= \begin{bmatrix} 1033 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 3, 6, 3) \\
L_{2023} &= \begin{bmatrix} 1033 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 3, 6, 3) \\
L_{2024} &= \begin{bmatrix} 1033 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 3, 6, 3) \\
L_{2025} &= \begin{bmatrix} 1033 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 3, 6, 3) \\
L_{2026} &= \begin{bmatrix} 1033 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 3, 6, 3) \\
L_{2027} &= \begin{bmatrix} 1033 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 3, 7, 3) \\
L_{2028} &= \begin{bmatrix} 1033 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 3, 7, 3) \\
L_{2029} &= \begin{bmatrix} 1033 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 3, 7, 3) \\
L_{2030} &= \begin{bmatrix} 1033 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 3, 7, 3) \\
L_{2031} &= \begin{bmatrix} 1033 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 3, 7, 3) \\
L_{2032} &= \begin{bmatrix} 1033 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 3, 7, 3) \\
L_{2033} &= \begin{bmatrix} 1033 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 3, 7, 3) \\
L_{2034} &= \begin{bmatrix} 1033 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 3, 7, 3) \\
L_{2035} &= \begin{bmatrix} 1303 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 0, 0, 3) \\
L_{2036} &= \begin{bmatrix} 1303 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 3, 1, 3) \\
L_{2037} &= \begin{bmatrix} 1303 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 6, 2, 3) \\
L_{2038} &= \begin{bmatrix} 1303 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 5, 3, 3) \\
L_{2039} &= \begin{bmatrix} 1303 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 1, 4, 3) \\
L_{2040} &= \begin{bmatrix} 1303 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 2, 5, 3) \\
L_{2041} &= \begin{bmatrix} 1303 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 7, 6, 3)
\end{aligned}$$

$$\begin{aligned}
L_{2042} &= \begin{bmatrix} 1303 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 4, 7, 3) \\
L_{2043} &= \begin{bmatrix} 1330 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 3, 0, 3, 1, 0) \\
L_{2044} &= \begin{bmatrix} 1043 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 3, 0, 4) \\
L_{2045} &= \begin{bmatrix} 1043 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 3, 0, 4) \\
L_{2046} &= \begin{bmatrix} 1043 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 3, 0, 4) \\
L_{2047} &= \begin{bmatrix} 1043 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 3, 0, 4) \\
L_{2048} &= \begin{bmatrix} 1043 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 3, 0, 4) \\
L_{2049} &= \begin{bmatrix} 1043 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 3, 0, 4) \\
L_{2050} &= \begin{bmatrix} 1043 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 3, 0, 4) \\
L_{2051} &= \begin{bmatrix} 1043 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 3, 0, 4) \\
L_{2052} &= \begin{bmatrix} 1043 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 3, 1, 4) \\
L_{2053} &= \begin{bmatrix} 1043 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 3, 1, 4) \\
L_{2054} &= \begin{bmatrix} 1043 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 3, 1, 4) \\
L_{2055} &= \begin{bmatrix} 1043 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 3, 1, 4) \\
L_{2056} &= \begin{bmatrix} 1043 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 3, 1, 4) \\
L_{2057} &= \begin{bmatrix} 1043 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 3, 1, 4) \\
L_{2058} &= \begin{bmatrix} 1043 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 3, 1, 4) \\
L_{2059} &= \begin{bmatrix} 1043 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 3, 1, 4) \\
L_{2060} &= \begin{bmatrix} 1043 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 3, 2, 4) \\
L_{2061} &= \begin{bmatrix} 1043 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 3, 2, 4) \\
L_{2062} &= \begin{bmatrix} 1043 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 3, 2, 4)
\end{aligned}$$

$$\begin{aligned}
L_{2063} &= \begin{bmatrix} 1043 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 3, 2, 4) \\
L_{2064} &= \begin{bmatrix} 1043 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 3, 2, 4) \\
L_{2065} &= \begin{bmatrix} 1043 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 3, 2, 4) \\
L_{2066} &= \begin{bmatrix} 1043 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 3, 2, 4) \\
L_{2067} &= \begin{bmatrix} 1043 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 3, 2, 4) \\
L_{2068} &= \begin{bmatrix} 1043 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 3, 3, 4) \\
L_{2069} &= \begin{bmatrix} 1043 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 3, 3, 4) \\
L_{2070} &= \begin{bmatrix} 1043 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 3, 3, 4) \\
L_{2071} &= \begin{bmatrix} 1043 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 3, 3, 4) \\
L_{2072} &= \begin{bmatrix} 1043 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 3, 3, 4) \\
L_{2073} &= \begin{bmatrix} 1043 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 3, 3, 4) \\
L_{2074} &= \begin{bmatrix} 1043 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 3, 3, 4) \\
L_{2075} &= \begin{bmatrix} 1043 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 3, 3, 4) \\
L_{2076} &= \begin{bmatrix} 1043 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 3, 4, 4) \\
L_{2077} &= \begin{bmatrix} 1043 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 3, 4, 4) \\
L_{2078} &= \begin{bmatrix} 1043 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 3, 4, 4) \\
L_{2079} &= \begin{bmatrix} 1043 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 3, 4, 4) \\
L_{2080} &= \begin{bmatrix} 1043 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 3, 4, 4) \\
L_{2081} &= \begin{bmatrix} 1043 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 3, 4, 4) \\
L_{2082} &= \begin{bmatrix} 1043 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 3, 4, 4) \\
L_{2083} &= \begin{bmatrix} 1043 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 3, 4, 4)
\end{aligned}$$

$$\begin{aligned}
L_{2084} &= \begin{bmatrix} 1043 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 3, 5, 4) \\
L_{2085} &= \begin{bmatrix} 1043 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 3, 5, 4) \\
L_{2086} &= \begin{bmatrix} 1043 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 3, 5, 4) \\
L_{2087} &= \begin{bmatrix} 1043 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 3, 5, 4) \\
L_{2088} &= \begin{bmatrix} 1043 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 3, 5, 4) \\
L_{2089} &= \begin{bmatrix} 1043 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 3, 5, 4) \\
L_{2090} &= \begin{bmatrix} 1043 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 3, 5, 4) \\
L_{2091} &= \begin{bmatrix} 1043 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 3, 5, 4) \\
L_{2092} &= \begin{bmatrix} 1043 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 3, 6, 4) \\
L_{2093} &= \begin{bmatrix} 1043 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 3, 6, 4) \\
L_{2094} &= \begin{bmatrix} 1043 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 3, 6, 4) \\
L_{2095} &= \begin{bmatrix} 1043 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 3, 6, 4) \\
L_{2096} &= \begin{bmatrix} 1043 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 3, 6, 4) \\
L_{2097} &= \begin{bmatrix} 1043 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 3, 6, 4) \\
L_{2098} &= \begin{bmatrix} 1043 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 3, 6, 4) \\
L_{2099} &= \begin{bmatrix} 1043 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 3, 6, 4) \\
L_{2100} &= \begin{bmatrix} 1043 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 3, 7, 4) \\
L_{2101} &= \begin{bmatrix} 1043 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 3, 7, 4) \\
L_{2102} &= \begin{bmatrix} 1043 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 3, 7, 4) \\
L_{2103} &= \begin{bmatrix} 1043 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 3, 7, 4) \\
L_{2104} &= \begin{bmatrix} 1043 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 3, 7, 4)
\end{aligned}$$



$$\begin{aligned}
L_{2105} &= \begin{bmatrix} 1043 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 3, 7, 4) \\
L_{2106} &= \begin{bmatrix} 1043 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 3, 7, 4) \\
L_{2107} &= \begin{bmatrix} 1043 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 3, 7, 4) \\
L_{2108} &= \begin{bmatrix} 1403 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 0, 0, 4) \\
L_{2109} &= \begin{bmatrix} 1403 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 4, 1, 4) \\
L_{2110} &= \begin{bmatrix} 1403 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 5, 2, 4) \\
L_{2111} &= \begin{bmatrix} 1403 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 1, 3, 4) \\
L_{2112} &= \begin{bmatrix} 1403 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 7, 4, 4) \\
L_{2113} &= \begin{bmatrix} 1403 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 3, 5, 4) \\
L_{2114} &= \begin{bmatrix} 1403 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 2, 6, 4) \\
L_{2115} &= \begin{bmatrix} 1403 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 6, 7, 4) \\
L_{2116} &= \begin{bmatrix} 1430 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 3, 0, 4, 1, 0) \\
L_{2117} &= \begin{bmatrix} 1053 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 3, 0, 5) \\
L_{2118} &= \begin{bmatrix} 1053 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 3, 0, 5) \\
L_{2119} &= \begin{bmatrix} 1053 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 3, 0, 5) \\
L_{2120} &= \begin{bmatrix} 1053 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 3, 0, 5) \\
L_{2121} &= \begin{bmatrix} 1053 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 3, 0, 5) \\
L_{2122} &= \begin{bmatrix} 1053 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 3, 0, 5) \\
L_{2123} &= \begin{bmatrix} 1053 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 3, 0, 5) \\
L_{2124} &= \begin{bmatrix} 1053 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 3, 0, 5) \\
L_{2125} &= \begin{bmatrix} 1053 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 3, 1, 5)
\end{aligned}$$

$$\begin{aligned}
L_{2126} &= \begin{bmatrix} 1053 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 3, 1, 5) \\
L_{2127} &= \begin{bmatrix} 1053 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 3, 1, 5) \\
L_{2128} &= \begin{bmatrix} 1053 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 3, 1, 5) \\
L_{2129} &= \begin{bmatrix} 1053 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 3, 1, 5) \\
L_{2130} &= \begin{bmatrix} 1053 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 3, 1, 5) \\
L_{2131} &= \begin{bmatrix} 1053 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 3, 1, 5) \\
L_{2132} &= \begin{bmatrix} 1053 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 3, 1, 5) \\
L_{2133} &= \begin{bmatrix} 1053 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 3, 2, 5) \\
L_{2134} &= \begin{bmatrix} 1053 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 3, 2, 5) \\
L_{2135} &= \begin{bmatrix} 1053 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 3, 2, 5) \\
L_{2136} &= \begin{bmatrix} 1053 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 3, 2, 5) \\
L_{2137} &= \begin{bmatrix} 1053 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 3, 2, 5) \\
L_{2138} &= \begin{bmatrix} 1053 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 3, 2, 5) \\
L_{2139} &= \begin{bmatrix} 1053 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 3, 2, 5) \\
L_{2140} &= \begin{bmatrix} 1053 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 3, 2, 5) \\
L_{2141} &= \begin{bmatrix} 1053 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 3, 3, 5) \\
L_{2142} &= \begin{bmatrix} 1053 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 3, 3, 5) \\
L_{2143} &= \begin{bmatrix} 1053 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 3, 3, 5) \\
L_{2144} &= \begin{bmatrix} 1053 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 3, 3, 5) \\
L_{2145} &= \begin{bmatrix} 1053 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 3, 3, 5) \\
L_{2146} &= \begin{bmatrix} 1053 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 3, 3, 5)
\end{aligned}$$

$$\begin{aligned}
L_{2147} &= \begin{bmatrix} 1053 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 3, 3, 5) \\
L_{2148} &= \begin{bmatrix} 1053 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 3, 3, 5) \\
L_{2149} &= \begin{bmatrix} 1053 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 3, 4, 5) \\
L_{2150} &= \begin{bmatrix} 1053 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 3, 4, 5) \\
L_{2151} &= \begin{bmatrix} 1053 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 3, 4, 5) \\
L_{2152} &= \begin{bmatrix} 1053 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 3, 4, 5) \\
L_{2153} &= \begin{bmatrix} 1053 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 3, 4, 5) \\
L_{2154} &= \begin{bmatrix} 1053 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 3, 4, 5) \\
L_{2155} &= \begin{bmatrix} 1053 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 3, 4, 5) \\
L_{2156} &= \begin{bmatrix} 1053 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 3, 4, 5) \\
L_{2157} &= \begin{bmatrix} 1053 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 3, 5, 5) \\
L_{2158} &= \begin{bmatrix} 1053 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 3, 5, 5) \\
L_{2159} &= \begin{bmatrix} 1053 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 3, 5, 5) \\
L_{2160} &= \begin{bmatrix} 1053 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 3, 5, 5) \\
L_{2161} &= \begin{bmatrix} 1053 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 3, 5, 5) \\
L_{2162} &= \begin{bmatrix} 1053 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 3, 5, 5) \\
L_{2163} &= \begin{bmatrix} 1053 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 3, 5, 5) \\
L_{2164} &= \begin{bmatrix} 1053 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 3, 5, 5) \\
L_{2165} &= \begin{bmatrix} 1053 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 3, 6, 5) \\
L_{2166} &= \begin{bmatrix} 1053 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 3, 6, 5) \\
L_{2167} &= \begin{bmatrix} 1053 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 3, 6, 5)
\end{aligned}$$

$$\begin{aligned}
L_{2168} &= \begin{bmatrix} 1053 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 3, 6, 5) \\
L_{2169} &= \begin{bmatrix} 1053 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 3, 6, 5) \\
L_{2170} &= \begin{bmatrix} 1053 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 3, 6, 5) \\
L_{2171} &= \begin{bmatrix} 1053 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 3, 6, 5) \\
L_{2172} &= \begin{bmatrix} 1053 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 3, 6, 5) \\
L_{2173} &= \begin{bmatrix} 1053 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 3, 7, 5) \\
L_{2174} &= \begin{bmatrix} 1053 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 3, 7, 5) \\
L_{2175} &= \begin{bmatrix} 1053 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 3, 7, 5) \\
L_{2176} &= \begin{bmatrix} 1053 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 3, 7, 5) \\
L_{2177} &= \begin{bmatrix} 1053 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 3, 7, 5) \\
L_{2178} &= \begin{bmatrix} 1053 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 3, 7, 5) \\
L_{2179} &= \begin{bmatrix} 1053 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 3, 7, 5) \\
L_{2180} &= \begin{bmatrix} 1053 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 3, 7, 5) \\
L_{2181} &= \begin{bmatrix} 1503 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 0, 0, 5) \\
L_{2182} &= \begin{bmatrix} 1503 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 5, 1, 5) \\
L_{2183} &= \begin{bmatrix} 1503 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 7, 2, 5) \\
L_{2184} &= \begin{bmatrix} 1503 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 2, 3, 5) \\
L_{2185} &= \begin{bmatrix} 1503 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 3, 4, 5) \\
L_{2186} &= \begin{bmatrix} 1503 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 6, 5, 5) \\
L_{2187} &= \begin{bmatrix} 1503 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 4, 6, 5) \\
L_{2188} &= \begin{bmatrix} 1503 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 1, 7, 5)
\end{aligned}$$

$$\begin{aligned}
L_{2189} &= \begin{bmatrix} 1530 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 3, 0, 5, 1, 0) \\
L_{2190} &= \begin{bmatrix} 1063 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 3, 0, 6) \\
L_{2191} &= \begin{bmatrix} 1063 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 3, 0, 6) \\
L_{2192} &= \begin{bmatrix} 1063 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 3, 0, 6) \\
L_{2193} &= \begin{bmatrix} 1063 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 3, 0, 6) \\
L_{2194} &= \begin{bmatrix} 1063 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 3, 0, 6) \\
L_{2195} &= \begin{bmatrix} 1063 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 3, 0, 6) \\
L_{2196} &= \begin{bmatrix} 1063 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 3, 0, 6) \\
L_{2197} &= \begin{bmatrix} 1063 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 3, 0, 6) \\
L_{2198} &= \begin{bmatrix} 1063 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 3, 1, 6) \\
L_{2199} &= \begin{bmatrix} 1063 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 3, 1, 6) \\
L_{2200} &= \begin{bmatrix} 1063 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 3, 1, 6) \\
L_{2201} &= \begin{bmatrix} 1063 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 3, 1, 6) \\
L_{2202} &= \begin{bmatrix} 1063 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 3, 1, 6) \\
L_{2203} &= \begin{bmatrix} 1063 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 3, 1, 6) \\
L_{2204} &= \begin{bmatrix} 1063 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 3, 1, 6) \\
L_{2205} &= \begin{bmatrix} 1063 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 3, 1, 6) \\
L_{2206} &= \begin{bmatrix} 1063 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 3, 2, 6) \\
L_{2207} &= \begin{bmatrix} 1063 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 3, 2, 6) \\
L_{2208} &= \begin{bmatrix} 1063 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 3, 2, 6) \\
L_{2209} &= \begin{bmatrix} 1063 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 3, 2, 6)
\end{aligned}$$

$$\begin{aligned}
L_{2210} &= \begin{bmatrix} 1063 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 3, 2, 6) \\
L_{2211} &= \begin{bmatrix} 1063 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 3, 2, 6) \\
L_{2212} &= \begin{bmatrix} 1063 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 3, 2, 6) \\
L_{2213} &= \begin{bmatrix} 1063 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 3, 2, 6) \\
L_{2214} &= \begin{bmatrix} 1063 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 3, 3, 6) \\
L_{2215} &= \begin{bmatrix} 1063 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 3, 3, 6) \\
L_{2216} &= \begin{bmatrix} 1063 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 3, 3, 6) \\
L_{2217} &= \begin{bmatrix} 1063 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 3, 3, 6) \\
L_{2218} &= \begin{bmatrix} 1063 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 3, 3, 6) \\
L_{2219} &= \begin{bmatrix} 1063 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 3, 3, 6) \\
L_{2220} &= \begin{bmatrix} 1063 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 3, 3, 6) \\
L_{2221} &= \begin{bmatrix} 1063 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 3, 3, 6) \\
L_{2222} &= \begin{bmatrix} 1063 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 3, 4, 6) \\
L_{2223} &= \begin{bmatrix} 1063 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 3, 4, 6) \\
L_{2224} &= \begin{bmatrix} 1063 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 3, 4, 6) \\
L_{2225} &= \begin{bmatrix} 1063 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 3, 4, 6) \\
L_{2226} &= \begin{bmatrix} 1063 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 3, 4, 6) \\
L_{2227} &= \begin{bmatrix} 1063 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 3, 4, 6) \\
L_{2228} &= \begin{bmatrix} 1063 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 3, 4, 6) \\
L_{2229} &= \begin{bmatrix} 1063 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 3, 4, 6) \\
L_{2230} &= \begin{bmatrix} 1063 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 3, 5, 6)
\end{aligned}$$

$$\begin{aligned}
L_{2231} &= \begin{bmatrix} 1063 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 3, 5, 6) \\
L_{2232} &= \begin{bmatrix} 1063 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 3, 5, 6) \\
L_{2233} &= \begin{bmatrix} 1063 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 3, 5, 6) \\
L_{2234} &= \begin{bmatrix} 1063 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 3, 5, 6) \\
L_{2235} &= \begin{bmatrix} 1063 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 3, 5, 6) \\
L_{2236} &= \begin{bmatrix} 1063 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 3, 5, 6) \\
L_{2237} &= \begin{bmatrix} 1063 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 3, 5, 6) \\
L_{2238} &= \begin{bmatrix} 1063 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 3, 6, 6) \\
L_{2239} &= \begin{bmatrix} 1063 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 3, 6, 6) \\
L_{2240} &= \begin{bmatrix} 1063 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 3, 6, 6) \\
L_{2241} &= \begin{bmatrix} 1063 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 3, 6, 6) \\
L_{2242} &= \begin{bmatrix} 1063 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 3, 6, 6) \\
L_{2243} &= \begin{bmatrix} 1063 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 3, 6, 6) \\
L_{2244} &= \begin{bmatrix} 1063 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 3, 6, 6) \\
L_{2245} &= \begin{bmatrix} 1063 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 3, 6, 6) \\
L_{2246} &= \begin{bmatrix} 1063 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 3, 7, 6) \\
L_{2247} &= \begin{bmatrix} 1063 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 3, 7, 6) \\
L_{2248} &= \begin{bmatrix} 1063 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 3, 7, 6) \\
L_{2249} &= \begin{bmatrix} 1063 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 3, 7, 6) \\
L_{2250} &= \begin{bmatrix} 1063 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 3, 7, 6) \\
L_{2251} &= \begin{bmatrix} 1063 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 3, 7, 6)
\end{aligned}$$

$$\begin{aligned}
L_{2252} &= \begin{bmatrix} 1063 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 3, 7, 6) \\
L_{2253} &= \begin{bmatrix} 1063 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 3, 7, 6) \\
L_{2254} &= \begin{bmatrix} 1603 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 0, 0, 6) \\
L_{2255} &= \begin{bmatrix} 1603 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 6, 1, 6) \\
L_{2256} &= \begin{bmatrix} 1603 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 1, 2, 6) \\
L_{2257} &= \begin{bmatrix} 1603 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 7, 3, 6) \\
L_{2258} &= \begin{bmatrix} 1603 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 2, 4, 6) \\
L_{2259} &= \begin{bmatrix} 1603 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 4, 5, 6) \\
L_{2260} &= \begin{bmatrix} 1603 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 3, 6, 6) \\
L_{2261} &= \begin{bmatrix} 1603 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 5, 7, 6) \\
L_{2262} &= \begin{bmatrix} 1630 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 3, 0, 6, 1, 0) \\
L_{2263} &= \begin{bmatrix} 1073 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 3, 0, 7) \\
L_{2264} &= \begin{bmatrix} 1073 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 3, 0, 7) \\
L_{2265} &= \begin{bmatrix} 1073 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 3, 0, 7) \\
L_{2266} &= \begin{bmatrix} 1073 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 3, 0, 7) \\
L_{2267} &= \begin{bmatrix} 1073 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 3, 0, 7) \\
L_{2268} &= \begin{bmatrix} 1073 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 3, 0, 7) \\
L_{2269} &= \begin{bmatrix} 1073 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 3, 0, 7) \\
L_{2270} &= \begin{bmatrix} 1073 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 3, 0, 7) \\
L_{2271} &= \begin{bmatrix} 1073 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 3, 1, 7) \\
L_{2272} &= \begin{bmatrix} 1073 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 3, 1, 7)
\end{aligned}$$



$$\begin{aligned}
L_{2273} &= \begin{bmatrix} 1073 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 3, 1, 7) \\
L_{2274} &= \begin{bmatrix} 1073 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 3, 1, 7) \\
L_{2275} &= \begin{bmatrix} 1073 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 3, 1, 7) \\
L_{2276} &= \begin{bmatrix} 1073 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 3, 1, 7) \\
L_{2277} &= \begin{bmatrix} 1073 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 3, 1, 7) \\
L_{2278} &= \begin{bmatrix} 1073 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 3, 1, 7) \\
L_{2279} &= \begin{bmatrix} 1073 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 3, 2, 7) \\
L_{2280} &= \begin{bmatrix} 1073 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 3, 2, 7) \\
L_{2281} &= \begin{bmatrix} 1073 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 3, 2, 7) \\
L_{2282} &= \begin{bmatrix} 1073 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 3, 2, 7) \\
L_{2283} &= \begin{bmatrix} 1073 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 3, 2, 7) \\
L_{2284} &= \begin{bmatrix} 1073 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 3, 2, 7) \\
L_{2285} &= \begin{bmatrix} 1073 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 3, 2, 7) \\
L_{2286} &= \begin{bmatrix} 1073 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 3, 2, 7) \\
L_{2287} &= \begin{bmatrix} 1073 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 3, 3, 7) \\
L_{2288} &= \begin{bmatrix} 1073 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 3, 3, 7) \\
L_{2289} &= \begin{bmatrix} 1073 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 3, 3, 7) \\
L_{2290} &= \begin{bmatrix} 1073 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 3, 3, 7) \\
L_{2291} &= \begin{bmatrix} 1073 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 3, 3, 7) \\
L_{2292} &= \begin{bmatrix} 1073 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 3, 3, 7) \\
L_{2293} &= \begin{bmatrix} 1073 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 3, 3, 7)
\end{aligned}$$

$$\begin{aligned}
L_{2294} &= \begin{bmatrix} 1073 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 3, 3, 7) \\
L_{2295} &= \begin{bmatrix} 1073 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 3, 4, 7) \\
L_{2296} &= \begin{bmatrix} 1073 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 3, 4, 7) \\
L_{2297} &= \begin{bmatrix} 1073 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 3, 4, 7) \\
L_{2298} &= \begin{bmatrix} 1073 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 3, 4, 7) \\
L_{2299} &= \begin{bmatrix} 1073 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 3, 4, 7) \\
L_{2300} &= \begin{bmatrix} 1073 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 3, 4, 7) \\
L_{2301} &= \begin{bmatrix} 1073 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 3, 4, 7) \\
L_{2302} &= \begin{bmatrix} 1073 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 3, 4, 7) \\
L_{2303} &= \begin{bmatrix} 1073 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 3, 5, 7) \\
L_{2304} &= \begin{bmatrix} 1073 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 3, 5, 7) \\
L_{2305} &= \begin{bmatrix} 1073 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 3, 5, 7) \\
L_{2306} &= \begin{bmatrix} 1073 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 3, 5, 7) \\
L_{2307} &= \begin{bmatrix} 1073 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 3, 5, 7) \\
L_{2308} &= \begin{bmatrix} 1073 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 3, 5, 7) \\
L_{2309} &= \begin{bmatrix} 1073 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 3, 5, 7) \\
L_{2310} &= \begin{bmatrix} 1073 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 3, 5, 7) \\
L_{2311} &= \begin{bmatrix} 1073 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 3, 6, 7) \\
L_{2312} &= \begin{bmatrix} 1073 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 3, 6, 7) \\
L_{2313} &= \begin{bmatrix} 1073 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 3, 6, 7) \\
L_{2314} &= \begin{bmatrix} 1073 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 3, 6, 7)
\end{aligned}$$

$$\begin{aligned}
L_{2315} &= \begin{bmatrix} 1073 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 3, 6, 7) \\
L_{2316} &= \begin{bmatrix} 1073 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 3, 6, 7) \\
L_{2317} &= \begin{bmatrix} 1073 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 3, 6, 7) \\
L_{2318} &= \begin{bmatrix} 1073 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 3, 6, 7) \\
L_{2319} &= \begin{bmatrix} 1073 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 3, 7, 7) \\
L_{2320} &= \begin{bmatrix} 1073 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 3, 7, 7) \\
L_{2321} &= \begin{bmatrix} 1073 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 3, 7, 7) \\
L_{2322} &= \begin{bmatrix} 1073 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 3, 7, 7) \\
L_{2323} &= \begin{bmatrix} 1073 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 3, 7, 7) \\
L_{2324} &= \begin{bmatrix} 1073 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 3, 7, 7) \\
L_{2325} &= \begin{bmatrix} 1073 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 3, 7, 7) \\
L_{2326} &= \begin{bmatrix} 1073 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 3, 7, 7) \\
L_{2327} &= \begin{bmatrix} 1703 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 0, 0, 7) \\
L_{2328} &= \begin{bmatrix} 1703 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 7, 1, 7) \\
L_{2329} &= \begin{bmatrix} 1703 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 3, 2, 7) \\
L_{2330} &= \begin{bmatrix} 1703 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 4, 3, 7) \\
L_{2331} &= \begin{bmatrix} 1703 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 6, 4, 7) \\
L_{2332} &= \begin{bmatrix} 1703 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 1, 5, 7) \\
L_{2333} &= \begin{bmatrix} 1703 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 5, 6, 7) \\
L_{2334} &= \begin{bmatrix} 1703 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 3, 1, 2, 7, 7) \\
L_{2335} &= \begin{bmatrix} 1730 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 3, 0, 7, 1, 0)
\end{aligned}$$

$$\begin{aligned}
L_{2336} &= \begin{bmatrix} 1004 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 4, 0, 0) \\
L_{2337} &= \begin{bmatrix} 1004 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 4, 0, 0) \\
L_{2338} &= \begin{bmatrix} 1004 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 4, 0, 0) \\
L_{2339} &= \begin{bmatrix} 1004 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 4, 0, 0) \\
L_{2340} &= \begin{bmatrix} 1004 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 4, 0, 0) \\
L_{2341} &= \begin{bmatrix} 1004 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 4, 0, 0) \\
L_{2342} &= \begin{bmatrix} 1004 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 4, 0, 0) \\
L_{2343} &= \begin{bmatrix} 1004 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 4, 0, 0) \\
L_{2344} &= \begin{bmatrix} 1004 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 4, 1, 0) \\
L_{2345} &= \begin{bmatrix} 1004 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 4, 1, 0) \\
L_{2346} &= \begin{bmatrix} 1004 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 4, 1, 0) \\
L_{2347} &= \begin{bmatrix} 1004 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 4, 1, 0) \\
L_{2348} &= \begin{bmatrix} 1004 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 4, 1, 0) \\
L_{2349} &= \begin{bmatrix} 1004 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 4, 1, 0) \\
L_{2350} &= \begin{bmatrix} 1004 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 4, 1, 0) \\
L_{2351} &= \begin{bmatrix} 1004 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 4, 1, 0) \\
L_{2352} &= \begin{bmatrix} 1004 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 4, 2, 0) \\
L_{2353} &= \begin{bmatrix} 1004 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 4, 2, 0) \\
L_{2354} &= \begin{bmatrix} 1004 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 4, 2, 0) \\
L_{2355} &= \begin{bmatrix} 1004 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 4, 2, 0) \\
L_{2356} &= \begin{bmatrix} 1004 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 4, 2, 0)
\end{aligned}$$

$$\begin{aligned}
L_{2357} &= \begin{bmatrix} 1004 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 4, 2, 0) \\
L_{2358} &= \begin{bmatrix} 1004 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 4, 2, 0) \\
L_{2359} &= \begin{bmatrix} 1004 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 4, 2, 0) \\
L_{2360} &= \begin{bmatrix} 1004 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 4, 3, 0) \\
L_{2361} &= \begin{bmatrix} 1004 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 4, 3, 0) \\
L_{2362} &= \begin{bmatrix} 1004 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 4, 3, 0) \\
L_{2363} &= \begin{bmatrix} 1004 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 4, 3, 0) \\
L_{2364} &= \begin{bmatrix} 1004 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 4, 3, 0) \\
L_{2365} &= \begin{bmatrix} 1004 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 4, 3, 0) \\
L_{2366} &= \begin{bmatrix} 1004 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 4, 3, 0) \\
L_{2367} &= \begin{bmatrix} 1004 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 4, 3, 0) \\
L_{2368} &= \begin{bmatrix} 1004 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 4, 4, 0) \\
L_{2369} &= \begin{bmatrix} 1004 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 4, 4, 0) \\
L_{2370} &= \begin{bmatrix} 1004 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 4, 4, 0) \\
L_{2371} &= \begin{bmatrix} 1004 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 4, 4, 0) \\
L_{2372} &= \begin{bmatrix} 1004 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 4, 4, 0) \\
L_{2373} &= \begin{bmatrix} 1004 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 4, 4, 0) \\
L_{2374} &= \begin{bmatrix} 1004 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 4, 4, 0) \\
L_{2375} &= \begin{bmatrix} 1004 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 4, 4, 0) \\
L_{2376} &= \begin{bmatrix} 1004 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 4, 5, 0) \\
L_{2377} &= \begin{bmatrix} 1004 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 4, 5, 0)
\end{aligned}$$

$$\begin{aligned}
L_{2378} &= \begin{bmatrix} 1004 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 4, 5, 0) \\
L_{2379} &= \begin{bmatrix} 1004 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 4, 5, 0) \\
L_{2380} &= \begin{bmatrix} 1004 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 4, 5, 0) \\
L_{2381} &= \begin{bmatrix} 1004 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 4, 5, 0) \\
L_{2382} &= \begin{bmatrix} 1004 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 4, 5, 0) \\
L_{2383} &= \begin{bmatrix} 1004 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 4, 5, 0) \\
L_{2384} &= \begin{bmatrix} 1004 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 4, 6, 0) \\
L_{2385} &= \begin{bmatrix} 1004 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 4, 6, 0) \\
L_{2386} &= \begin{bmatrix} 1004 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 4, 6, 0) \\
L_{2387} &= \begin{bmatrix} 1004 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 4, 6, 0) \\
L_{2388} &= \begin{bmatrix} 1004 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 4, 6, 0) \\
L_{2389} &= \begin{bmatrix} 1004 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 4, 6, 0) \\
L_{2390} &= \begin{bmatrix} 1004 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 4, 6, 0) \\
L_{2391} &= \begin{bmatrix} 1004 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 4, 6, 0) \\
L_{2392} &= \begin{bmatrix} 1004 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 4, 7, 0) \\
L_{2393} &= \begin{bmatrix} 1004 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 4, 7, 0) \\
L_{2394} &= \begin{bmatrix} 1004 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 4, 7, 0) \\
L_{2395} &= \begin{bmatrix} 1004 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 4, 7, 0) \\
L_{2396} &= \begin{bmatrix} 1004 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 4, 7, 0) \\
L_{2397} &= \begin{bmatrix} 1004 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 4, 7, 0) \\
L_{2398} &= \begin{bmatrix} 1004 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 4, 7, 0)
\end{aligned}$$

$$\begin{aligned}
L_{2399} &= \begin{bmatrix} 1004 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 4, 7, 0) \\
L_{2400} &= \begin{bmatrix} 1004 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 0, 0, 0) \\
L_{2401} &= \begin{bmatrix} 1004 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 0, 1, 0) \\
L_{2402} &= \begin{bmatrix} 1004 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 0, 2, 0) \\
L_{2403} &= \begin{bmatrix} 1004 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 0, 3, 0) \\
L_{2404} &= \begin{bmatrix} 1004 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 0, 4, 0) \\
L_{2405} &= \begin{bmatrix} 1004 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 0, 5, 0) \\
L_{2406} &= \begin{bmatrix} 1004 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 0, 6, 0) \\
L_{2407} &= \begin{bmatrix} 1004 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 0, 7, 0) \\
L_{2408} &= \begin{bmatrix} 1040 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 4, 0, 0, 1, 0) \\
L_{2409} &= \begin{bmatrix} 1014 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 4, 0, 1) \\
L_{2410} &= \begin{bmatrix} 1014 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 4, 0, 1) \\
L_{2411} &= \begin{bmatrix} 1014 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 4, 0, 1) \\
L_{2412} &= \begin{bmatrix} 1014 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 4, 0, 1) \\
L_{2413} &= \begin{bmatrix} 1014 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 4, 0, 1) \\
L_{2414} &= \begin{bmatrix} 1014 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 4, 0, 1) \\
L_{2415} &= \begin{bmatrix} 1014 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 4, 0, 1) \\
L_{2416} &= \begin{bmatrix} 1014 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 4, 0, 1) \\
L_{2417} &= \begin{bmatrix} 1014 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 4, 1, 1) \\
L_{2418} &= \begin{bmatrix} 1014 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 4, 1, 1) \\
L_{2419} &= \begin{bmatrix} 1014 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 4, 1, 1)
\end{aligned}$$

$$\begin{aligned}
L_{2420} &= \begin{bmatrix} 1014 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 4, 1, 1) \\
L_{2421} &= \begin{bmatrix} 1014 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 4, 1, 1) \\
L_{2422} &= \begin{bmatrix} 1014 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 4, 1, 1) \\
L_{2423} &= \begin{bmatrix} 1014 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 4, 1, 1) \\
L_{2424} &= \begin{bmatrix} 1014 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 4, 1, 1) \\
L_{2425} &= \begin{bmatrix} 1014 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 4, 2, 1) \\
L_{2426} &= \begin{bmatrix} 1014 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 4, 2, 1) \\
L_{2427} &= \begin{bmatrix} 1014 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 4, 2, 1) \\
L_{2428} &= \begin{bmatrix} 1014 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 4, 2, 1) \\
L_{2429} &= \begin{bmatrix} 1014 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 4, 2, 1) \\
L_{2430} &= \begin{bmatrix} 1014 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 4, 2, 1) \\
L_{2431} &= \begin{bmatrix} 1014 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 4, 2, 1) \\
L_{2432} &= \begin{bmatrix} 1014 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 4, 2, 1) \\
L_{2433} &= \begin{bmatrix} 1014 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 4, 3, 1) \\
L_{2434} &= \begin{bmatrix} 1014 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 4, 3, 1) \\
L_{2435} &= \begin{bmatrix} 1014 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 4, 3, 1) \\
L_{2436} &= \begin{bmatrix} 1014 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 4, 3, 1) \\
L_{2437} &= \begin{bmatrix} 1014 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 4, 3, 1) \\
L_{2438} &= \begin{bmatrix} 1014 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 4, 3, 1) \\
L_{2439} &= \begin{bmatrix} 1014 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 4, 3, 1) \\
L_{2440} &= \begin{bmatrix} 1014 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 4, 3, 1)
\end{aligned}$$



$$\begin{aligned}
L_{2441} &= \begin{bmatrix} 1014 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 4, 4, 1) \\
L_{2442} &= \begin{bmatrix} 1014 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 4, 4, 1) \\
L_{2443} &= \begin{bmatrix} 1014 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 4, 4, 1) \\
L_{2444} &= \begin{bmatrix} 1014 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 4, 4, 1) \\
L_{2445} &= \begin{bmatrix} 1014 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 4, 4, 1) \\
L_{2446} &= \begin{bmatrix} 1014 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 4, 4, 1) \\
L_{2447} &= \begin{bmatrix} 1014 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 4, 4, 1) \\
L_{2448} &= \begin{bmatrix} 1014 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 4, 4, 1) \\
L_{2449} &= \begin{bmatrix} 1014 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 4, 5, 1) \\
L_{2450} &= \begin{bmatrix} 1014 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 4, 5, 1) \\
L_{2451} &= \begin{bmatrix} 1014 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 4, 5, 1) \\
L_{2452} &= \begin{bmatrix} 1014 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 4, 5, 1) \\
L_{2453} &= \begin{bmatrix} 1014 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 4, 5, 1) \\
L_{2454} &= \begin{bmatrix} 1014 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 4, 5, 1) \\
L_{2455} &= \begin{bmatrix} 1014 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 4, 5, 1) \\
L_{2456} &= \begin{bmatrix} 1014 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 4, 5, 1) \\
L_{2457} &= \begin{bmatrix} 1014 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 4, 6, 1) \\
L_{2458} &= \begin{bmatrix} 1014 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 4, 6, 1) \\
L_{2459} &= \begin{bmatrix} 1014 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 4, 6, 1) \\
L_{2460} &= \begin{bmatrix} 1014 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 4, 6, 1) \\
L_{2461} &= \begin{bmatrix} 1014 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 4, 6, 1)
\end{aligned}$$

$$\begin{aligned}
L_{2462} &= \begin{bmatrix} 1014 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 4, 6, 1) \\
L_{2463} &= \begin{bmatrix} 1014 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 4, 6, 1) \\
L_{2464} &= \begin{bmatrix} 1014 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 4, 6, 1) \\
L_{2465} &= \begin{bmatrix} 1014 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 4, 7, 1) \\
L_{2466} &= \begin{bmatrix} 1014 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 4, 7, 1) \\
L_{2467} &= \begin{bmatrix} 1014 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 4, 7, 1) \\
L_{2468} &= \begin{bmatrix} 1014 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 4, 7, 1) \\
L_{2469} &= \begin{bmatrix} 1014 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 4, 7, 1) \\
L_{2470} &= \begin{bmatrix} 1014 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 4, 7, 1) \\
L_{2471} &= \begin{bmatrix} 1014 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 4, 7, 1) \\
L_{2472} &= \begin{bmatrix} 1014 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 4, 7, 1) \\
L_{2473} &= \begin{bmatrix} 1104 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 0, 0, 1) \\
L_{2474} &= \begin{bmatrix} 1104 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 1, 1, 1) \\
L_{2475} &= \begin{bmatrix} 1104 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 2, 2, 1) \\
L_{2476} &= \begin{bmatrix} 1104 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 3, 3, 1) \\
L_{2477} &= \begin{bmatrix} 1104 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 4, 4, 1) \\
L_{2478} &= \begin{bmatrix} 1104 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 5, 5, 1) \\
L_{2479} &= \begin{bmatrix} 1104 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 6, 6, 1) \\
L_{2480} &= \begin{bmatrix} 1104 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 7, 7, 1) \\
L_{2481} &= \begin{bmatrix} 1140 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 4, 0, 1, 1, 0) \\
L_{2482} &= \begin{bmatrix} 1024 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 4, 0, 2)
\end{aligned}$$

$$\begin{aligned}
L_{2483} &= \begin{bmatrix} 1024 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 4, 0, 2) \\
L_{2484} &= \begin{bmatrix} 1024 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 4, 0, 2) \\
L_{2485} &= \begin{bmatrix} 1024 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 4, 0, 2) \\
L_{2486} &= \begin{bmatrix} 1024 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 4, 0, 2) \\
L_{2487} &= \begin{bmatrix} 1024 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 4, 0, 2) \\
L_{2488} &= \begin{bmatrix} 1024 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 4, 0, 2) \\
L_{2489} &= \begin{bmatrix} 1024 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 4, 0, 2) \\
L_{2490} &= \begin{bmatrix} 1024 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 4, 1, 2) \\
L_{2491} &= \begin{bmatrix} 1024 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 4, 1, 2) \\
L_{2492} &= \begin{bmatrix} 1024 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 4, 1, 2) \\
L_{2493} &= \begin{bmatrix} 1024 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 4, 1, 2) \\
L_{2494} &= \begin{bmatrix} 1024 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 4, 1, 2) \\
L_{2495} &= \begin{bmatrix} 1024 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 4, 1, 2) \\
L_{2496} &= \begin{bmatrix} 1024 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 4, 1, 2) \\
L_{2497} &= \begin{bmatrix} 1024 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 4, 1, 2) \\
L_{2498} &= \begin{bmatrix} 1024 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 4, 2, 2) \\
L_{2499} &= \begin{bmatrix} 1024 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 4, 2, 2) \\
L_{2500} &= \begin{bmatrix} 1024 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 4, 2, 2) \\
L_{2501} &= \begin{bmatrix} 1024 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 4, 2, 2) \\
L_{2502} &= \begin{bmatrix} 1024 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 4, 2, 2) \\
L_{2503} &= \begin{bmatrix} 1024 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 4, 2, 2)
\end{aligned}$$

$$\begin{aligned}
L_{2504} &= \begin{bmatrix} 1024 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 4, 2, 2) \\
L_{2505} &= \begin{bmatrix} 1024 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 4, 2, 2) \\
L_{2506} &= \begin{bmatrix} 1024 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 4, 3, 2) \\
L_{2507} &= \begin{bmatrix} 1024 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 4, 3, 2) \\
L_{2508} &= \begin{bmatrix} 1024 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 4, 3, 2) \\
L_{2509} &= \begin{bmatrix} 1024 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 4, 3, 2) \\
L_{2510} &= \begin{bmatrix} 1024 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 4, 3, 2) \\
L_{2511} &= \begin{bmatrix} 1024 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 4, 3, 2) \\
L_{2512} &= \begin{bmatrix} 1024 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 4, 3, 2) \\
L_{2513} &= \begin{bmatrix} 1024 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 4, 3, 2) \\
L_{2514} &= \begin{bmatrix} 1024 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 4, 4, 2) \\
L_{2515} &= \begin{bmatrix} 1024 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 4, 4, 2) \\
L_{2516} &= \begin{bmatrix} 1024 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 4, 4, 2) \\
L_{2517} &= \begin{bmatrix} 1024 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 4, 4, 2) \\
L_{2518} &= \begin{bmatrix} 1024 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 4, 4, 2) \\
L_{2519} &= \begin{bmatrix} 1024 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 4, 4, 2) \\
L_{2520} &= \begin{bmatrix} 1024 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 4, 4, 2) \\
L_{2521} &= \begin{bmatrix} 1024 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 4, 4, 2) \\
L_{2522} &= \begin{bmatrix} 1024 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 4, 5, 2) \\
L_{2523} &= \begin{bmatrix} 1024 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 4, 5, 2) \\
L_{2524} &= \begin{bmatrix} 1024 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 4, 5, 2)
\end{aligned}$$

$$\begin{aligned}
L_{2525} &= \begin{bmatrix} 1024 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 4, 5, 2) \\
L_{2526} &= \begin{bmatrix} 1024 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 4, 5, 2) \\
L_{2527} &= \begin{bmatrix} 1024 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 4, 5, 2) \\
L_{2528} &= \begin{bmatrix} 1024 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 4, 5, 2) \\
L_{2529} &= \begin{bmatrix} 1024 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 4, 5, 2) \\
L_{2530} &= \begin{bmatrix} 1024 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 4, 6, 2) \\
L_{2531} &= \begin{bmatrix} 1024 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 4, 6, 2) \\
L_{2532} &= \begin{bmatrix} 1024 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 4, 6, 2) \\
L_{2533} &= \begin{bmatrix} 1024 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 4, 6, 2) \\
L_{2534} &= \begin{bmatrix} 1024 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 4, 6, 2) \\
L_{2535} &= \begin{bmatrix} 1024 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 4, 6, 2) \\
L_{2536} &= \begin{bmatrix} 1024 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 4, 6, 2) \\
L_{2537} &= \begin{bmatrix} 1024 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 4, 6, 2) \\
L_{2538} &= \begin{bmatrix} 1024 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 4, 7, 2) \\
L_{2539} &= \begin{bmatrix} 1024 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 4, 7, 2) \\
L_{2540} &= \begin{bmatrix} 1024 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 4, 7, 2) \\
L_{2541} &= \begin{bmatrix} 1024 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 4, 7, 2) \\
L_{2542} &= \begin{bmatrix} 1024 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 4, 7, 2) \\
L_{2543} &= \begin{bmatrix} 1024 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 4, 7, 2) \\
L_{2544} &= \begin{bmatrix} 1024 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 4, 7, 2) \\
L_{2545} &= \begin{bmatrix} 1024 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 4, 7, 2)
\end{aligned}$$

$$\begin{aligned}
L_{2546} &= \begin{bmatrix} 1204 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 0, 0, 2) \\
L_{2547} &= \begin{bmatrix} 1204 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 2, 1, 2) \\
L_{2548} &= \begin{bmatrix} 1204 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 4, 2, 2) \\
L_{2549} &= \begin{bmatrix} 1204 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 6, 3, 2) \\
L_{2550} &= \begin{bmatrix} 1204 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 5, 4, 2) \\
L_{2551} &= \begin{bmatrix} 1204 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 7, 5, 2) \\
L_{2552} &= \begin{bmatrix} 1204 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 1, 6, 2) \\
L_{2553} &= \begin{bmatrix} 1204 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 3, 7, 2) \\
L_{2554} &= \begin{bmatrix} 1240 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 4, 0, 2, 1, 0) \\
L_{2555} &= \begin{bmatrix} 1034 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 4, 0, 3) \\
L_{2556} &= \begin{bmatrix} 1034 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 4, 0, 3) \\
L_{2557} &= \begin{bmatrix} 1034 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 4, 0, 3) \\
L_{2558} &= \begin{bmatrix} 1034 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 4, 0, 3) \\
L_{2559} &= \begin{bmatrix} 1034 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 4, 0, 3) \\
L_{2560} &= \begin{bmatrix} 1034 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 4, 0, 3) \\
L_{2561} &= \begin{bmatrix} 1034 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 4, 0, 3) \\
L_{2562} &= \begin{bmatrix} 1034 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 4, 0, 3) \\
L_{2563} &= \begin{bmatrix} 1034 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 4, 1, 3) \\
L_{2564} &= \begin{bmatrix} 1034 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 4, 1, 3) \\
L_{2565} &= \begin{bmatrix} 1034 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 4, 1, 3) \\
L_{2566} &= \begin{bmatrix} 1034 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 4, 1, 3)
\end{aligned}$$

$$\begin{aligned}
L_{2567} &= \begin{bmatrix} 1034 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 4, 1, 3) \\
L_{2568} &= \begin{bmatrix} 1034 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 4, 1, 3) \\
L_{2569} &= \begin{bmatrix} 1034 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 4, 1, 3) \\
L_{2570} &= \begin{bmatrix} 1034 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 4, 1, 3) \\
L_{2571} &= \begin{bmatrix} 1034 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 4, 2, 3) \\
L_{2572} &= \begin{bmatrix} 1034 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 4, 2, 3) \\
L_{2573} &= \begin{bmatrix} 1034 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 4, 2, 3) \\
L_{2574} &= \begin{bmatrix} 1034 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 4, 2, 3) \\
L_{2575} &= \begin{bmatrix} 1034 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 4, 2, 3) \\
L_{2576} &= \begin{bmatrix} 1034 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 4, 2, 3) \\
L_{2577} &= \begin{bmatrix} 1034 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 4, 2, 3) \\
L_{2578} &= \begin{bmatrix} 1034 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 4, 2, 3) \\
L_{2579} &= \begin{bmatrix} 1034 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 4, 3, 3) \\
L_{2580} &= \begin{bmatrix} 1034 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 4, 3, 3) \\
L_{2581} &= \begin{bmatrix} 1034 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 4, 3, 3) \\
L_{2582} &= \begin{bmatrix} 1034 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 4, 3, 3) \\
L_{2583} &= \begin{bmatrix} 1034 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 4, 3, 3) \\
L_{2584} &= \begin{bmatrix} 1034 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 4, 3, 3) \\
L_{2585} &= \begin{bmatrix} 1034 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 4, 3, 3) \\
L_{2586} &= \begin{bmatrix} 1034 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 4, 3, 3) \\
L_{2587} &= \begin{bmatrix} 1034 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 4, 4, 3)
\end{aligned}$$

$$\begin{aligned}
L_{2588} &= \begin{bmatrix} 1034 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 4, 4, 3) \\
L_{2589} &= \begin{bmatrix} 1034 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 4, 4, 3) \\
L_{2590} &= \begin{bmatrix} 1034 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 4, 4, 3) \\
L_{2591} &= \begin{bmatrix} 1034 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 4, 4, 3) \\
L_{2592} &= \begin{bmatrix} 1034 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 4, 4, 3) \\
L_{2593} &= \begin{bmatrix} 1034 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 4, 4, 3) \\
L_{2594} &= \begin{bmatrix} 1034 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 4, 4, 3) \\
L_{2595} &= \begin{bmatrix} 1034 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 4, 5, 3) \\
L_{2596} &= \begin{bmatrix} 1034 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 4, 5, 3) \\
L_{2597} &= \begin{bmatrix} 1034 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 4, 5, 3) \\
L_{2598} &= \begin{bmatrix} 1034 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 4, 5, 3) \\
L_{2599} &= \begin{bmatrix} 1034 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 4, 5, 3) \\
L_{2600} &= \begin{bmatrix} 1034 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 4, 5, 3) \\
L_{2601} &= \begin{bmatrix} 1034 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 4, 5, 3) \\
L_{2602} &= \begin{bmatrix} 1034 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 4, 5, 3) \\
L_{2603} &= \begin{bmatrix} 1034 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 4, 6, 3) \\
L_{2604} &= \begin{bmatrix} 1034 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 4, 6, 3) \\
L_{2605} &= \begin{bmatrix} 1034 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 4, 6, 3) \\
L_{2606} &= \begin{bmatrix} 1034 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 4, 6, 3) \\
L_{2607} &= \begin{bmatrix} 1034 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 4, 6, 3) \\
L_{2608} &= \begin{bmatrix} 1034 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 4, 6, 3)
\end{aligned}$$



$$\begin{aligned}
L_{2609} &= \begin{bmatrix} 1034 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 4, 6, 3) \\
L_{2610} &= \begin{bmatrix} 1034 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 4, 6, 3) \\
L_{2611} &= \begin{bmatrix} 1034 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 4, 7, 3) \\
L_{2612} &= \begin{bmatrix} 1034 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 4, 7, 3) \\
L_{2613} &= \begin{bmatrix} 1034 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 4, 7, 3) \\
L_{2614} &= \begin{bmatrix} 1034 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 4, 7, 3) \\
L_{2615} &= \begin{bmatrix} 1034 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 4, 7, 3) \\
L_{2616} &= \begin{bmatrix} 1034 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 4, 7, 3) \\
L_{2617} &= \begin{bmatrix} 1034 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 4, 7, 3) \\
L_{2618} &= \begin{bmatrix} 1034 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 4, 7, 3) \\
L_{2619} &= \begin{bmatrix} 1304 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 0, 0, 3) \\
L_{2620} &= \begin{bmatrix} 1304 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 3, 1, 3) \\
L_{2621} &= \begin{bmatrix} 1304 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 6, 2, 3) \\
L_{2622} &= \begin{bmatrix} 1304 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 5, 3, 3) \\
L_{2623} &= \begin{bmatrix} 1304 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 1, 4, 3) \\
L_{2624} &= \begin{bmatrix} 1304 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 2, 5, 3) \\
L_{2625} &= \begin{bmatrix} 1304 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 7, 6, 3) \\
L_{2626} &= \begin{bmatrix} 1304 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 4, 7, 3) \\
L_{2627} &= \begin{bmatrix} 1340 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 4, 0, 3, 1, 0) \\
L_{2628} &= \begin{bmatrix} 1044 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 4, 0, 4) \\
L_{2629} &= \begin{bmatrix} 1044 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 4, 0, 4)
\end{aligned}$$

$$\begin{aligned}
L_{2630} &= \begin{bmatrix} 1044 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 4, 0, 4) \\
L_{2631} &= \begin{bmatrix} 1044 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 4, 0, 4) \\
L_{2632} &= \begin{bmatrix} 1044 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 4, 0, 4) \\
L_{2633} &= \begin{bmatrix} 1044 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 4, 0, 4) \\
L_{2634} &= \begin{bmatrix} 1044 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 4, 0, 4) \\
L_{2635} &= \begin{bmatrix} 1044 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 4, 0, 4) \\
L_{2636} &= \begin{bmatrix} 1044 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 4, 1, 4) \\
L_{2637} &= \begin{bmatrix} 1044 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 4, 1, 4) \\
L_{2638} &= \begin{bmatrix} 1044 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 4, 1, 4) \\
L_{2639} &= \begin{bmatrix} 1044 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 4, 1, 4) \\
L_{2640} &= \begin{bmatrix} 1044 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 4, 1, 4) \\
L_{2641} &= \begin{bmatrix} 1044 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 4, 1, 4) \\
L_{2642} &= \begin{bmatrix} 1044 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 4, 1, 4) \\
L_{2643} &= \begin{bmatrix} 1044 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 4, 1, 4) \\
L_{2644} &= \begin{bmatrix} 1044 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 4, 2, 4) \\
L_{2645} &= \begin{bmatrix} 1044 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 4, 2, 4) \\
L_{2646} &= \begin{bmatrix} 1044 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 4, 2, 4) \\
L_{2647} &= \begin{bmatrix} 1044 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 4, 2, 4) \\
L_{2648} &= \begin{bmatrix} 1044 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 4, 2, 4) \\
L_{2649} &= \begin{bmatrix} 1044 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 4, 2, 4) \\
L_{2650} &= \begin{bmatrix} 1044 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 4, 2, 4)
\end{aligned}$$

$$\begin{aligned}
L_{2651} &= \begin{bmatrix} 1044 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 4, 2, 4) \\
L_{2652} &= \begin{bmatrix} 1044 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 4, 3, 4) \\
L_{2653} &= \begin{bmatrix} 1044 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 4, 3, 4) \\
L_{2654} &= \begin{bmatrix} 1044 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 4, 3, 4) \\
L_{2655} &= \begin{bmatrix} 1044 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 4, 3, 4) \\
L_{2656} &= \begin{bmatrix} 1044 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 4, 3, 4) \\
L_{2657} &= \begin{bmatrix} 1044 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 4, 3, 4) \\
L_{2658} &= \begin{bmatrix} 1044 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 4, 3, 4) \\
L_{2659} &= \begin{bmatrix} 1044 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 4, 3, 4) \\
L_{2660} &= \begin{bmatrix} 1044 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 4, 4, 4) \\
L_{2661} &= \begin{bmatrix} 1044 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 4, 4, 4) \\
L_{2662} &= \begin{bmatrix} 1044 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 4, 4, 4) \\
L_{2663} &= \begin{bmatrix} 1044 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 4, 4, 4) \\
L_{2664} &= \begin{bmatrix} 1044 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 4, 4, 4) \\
L_{2665} &= \begin{bmatrix} 1044 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 4, 4, 4) \\
L_{2666} &= \begin{bmatrix} 1044 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 4, 4, 4) \\
L_{2667} &= \begin{bmatrix} 1044 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 4, 4, 4) \\
L_{2668} &= \begin{bmatrix} 1044 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 4, 5, 4) \\
L_{2669} &= \begin{bmatrix} 1044 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 4, 5, 4) \\
L_{2670} &= \begin{bmatrix} 1044 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 4, 5, 4) \\
L_{2671} &= \begin{bmatrix} 1044 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 4, 5, 4)
\end{aligned}$$

$$\begin{aligned}
L_{2672} &= \begin{bmatrix} 1044 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 4, 5, 4) \\
L_{2673} &= \begin{bmatrix} 1044 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 4, 5, 4) \\
L_{2674} &= \begin{bmatrix} 1044 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 4, 5, 4) \\
L_{2675} &= \begin{bmatrix} 1044 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 4, 5, 4) \\
L_{2676} &= \begin{bmatrix} 1044 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 4, 6, 4) \\
L_{2677} &= \begin{bmatrix} 1044 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 4, 6, 4) \\
L_{2678} &= \begin{bmatrix} 1044 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 4, 6, 4) \\
L_{2679} &= \begin{bmatrix} 1044 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 4, 6, 4) \\
L_{2680} &= \begin{bmatrix} 1044 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 4, 6, 4) \\
L_{2681} &= \begin{bmatrix} 1044 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 4, 6, 4) \\
L_{2682} &= \begin{bmatrix} 1044 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 4, 6, 4) \\
L_{2683} &= \begin{bmatrix} 1044 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 4, 6, 4) \\
L_{2684} &= \begin{bmatrix} 1044 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 4, 7, 4) \\
L_{2685} &= \begin{bmatrix} 1044 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 4, 7, 4) \\
L_{2686} &= \begin{bmatrix} 1044 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 4, 7, 4) \\
L_{2687} &= \begin{bmatrix} 1044 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 4, 7, 4) \\
L_{2688} &= \begin{bmatrix} 1044 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 4, 7, 4) \\
L_{2689} &= \begin{bmatrix} 1044 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 4, 7, 4) \\
L_{2690} &= \begin{bmatrix} 1044 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 4, 7, 4) \\
L_{2691} &= \begin{bmatrix} 1044 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 4, 7, 4) \\
L_{2692} &= \begin{bmatrix} 1404 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 0, 0, 4)
\end{aligned}$$

$$\begin{aligned}
L_{2693} &= \begin{bmatrix} 1404 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 4, 1, 4) \\
L_{2694} &= \begin{bmatrix} 1404 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 5, 2, 4) \\
L_{2695} &= \begin{bmatrix} 1404 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 1, 3, 4) \\
L_{2696} &= \begin{bmatrix} 1404 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 7, 4, 4) \\
L_{2697} &= \begin{bmatrix} 1404 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 3, 5, 4) \\
L_{2698} &= \begin{bmatrix} 1404 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 2, 6, 4) \\
L_{2699} &= \begin{bmatrix} 1404 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 6, 7, 4) \\
L_{2700} &= \begin{bmatrix} 1440 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 4, 0, 4, 1, 0) \\
L_{2701} &= \begin{bmatrix} 1054 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 4, 0, 5) \\
L_{2702} &= \begin{bmatrix} 1054 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 4, 0, 5) \\
L_{2703} &= \begin{bmatrix} 1054 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 4, 0, 5) \\
L_{2704} &= \begin{bmatrix} 1054 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 4, 0, 5) \\
L_{2705} &= \begin{bmatrix} 1054 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 4, 0, 5) \\
L_{2706} &= \begin{bmatrix} 1054 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 4, 0, 5) \\
L_{2707} &= \begin{bmatrix} 1054 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 4, 0, 5) \\
L_{2708} &= \begin{bmatrix} 1054 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 4, 0, 5) \\
L_{2709} &= \begin{bmatrix} 1054 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 4, 1, 5) \\
L_{2710} &= \begin{bmatrix} 1054 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 4, 1, 5) \\
L_{2711} &= \begin{bmatrix} 1054 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 4, 1, 5) \\
L_{2712} &= \begin{bmatrix} 1054 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 4, 1, 5) \\
L_{2713} &= \begin{bmatrix} 1054 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 4, 1, 5)
\end{aligned}$$

$$\begin{aligned}
L_{2714} &= \begin{bmatrix} 1054 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 4, 1, 5) \\
L_{2715} &= \begin{bmatrix} 1054 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 4, 1, 5) \\
L_{2716} &= \begin{bmatrix} 1054 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 4, 1, 5) \\
L_{2717} &= \begin{bmatrix} 1054 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 4, 2, 5) \\
L_{2718} &= \begin{bmatrix} 1054 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 4, 2, 5) \\
L_{2719} &= \begin{bmatrix} 1054 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 4, 2, 5) \\
L_{2720} &= \begin{bmatrix} 1054 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 4, 2, 5) \\
L_{2721} &= \begin{bmatrix} 1054 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 4, 2, 5) \\
L_{2722} &= \begin{bmatrix} 1054 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 4, 2, 5) \\
L_{2723} &= \begin{bmatrix} 1054 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 4, 2, 5) \\
L_{2724} &= \begin{bmatrix} 1054 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 4, 2, 5) \\
L_{2725} &= \begin{bmatrix} 1054 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 4, 3, 5) \\
L_{2726} &= \begin{bmatrix} 1054 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 4, 3, 5) \\
L_{2727} &= \begin{bmatrix} 1054 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 4, 3, 5) \\
L_{2728} &= \begin{bmatrix} 1054 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 4, 3, 5) \\
L_{2729} &= \begin{bmatrix} 1054 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 4, 3, 5) \\
L_{2730} &= \begin{bmatrix} 1054 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 4, 3, 5) \\
L_{2731} &= \begin{bmatrix} 1054 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 4, 3, 5) \\
L_{2732} &= \begin{bmatrix} 1054 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 4, 3, 5) \\
L_{2733} &= \begin{bmatrix} 1054 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 4, 4, 5) \\
L_{2734} &= \begin{bmatrix} 1054 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 4, 4, 5)
\end{aligned}$$

$$\begin{aligned}
L_{2735} &= \begin{bmatrix} 1054 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 4, 4, 5) \\
L_{2736} &= \begin{bmatrix} 1054 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 4, 4, 5) \\
L_{2737} &= \begin{bmatrix} 1054 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 4, 4, 5) \\
L_{2738} &= \begin{bmatrix} 1054 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 4, 4, 5) \\
L_{2739} &= \begin{bmatrix} 1054 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 4, 4, 5) \\
L_{2740} &= \begin{bmatrix} 1054 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 4, 4, 5) \\
L_{2741} &= \begin{bmatrix} 1054 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 4, 5, 5) \\
L_{2742} &= \begin{bmatrix} 1054 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 4, 5, 5) \\
L_{2743} &= \begin{bmatrix} 1054 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 4, 5, 5) \\
L_{2744} &= \begin{bmatrix} 1054 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 4, 5, 5) \\
L_{2745} &= \begin{bmatrix} 1054 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 4, 5, 5) \\
L_{2746} &= \begin{bmatrix} 1054 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 4, 5, 5) \\
L_{2747} &= \begin{bmatrix} 1054 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 4, 5, 5) \\
L_{2748} &= \begin{bmatrix} 1054 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 4, 5, 5) \\
L_{2749} &= \begin{bmatrix} 1054 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 4, 6, 5) \\
L_{2750} &= \begin{bmatrix} 1054 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 4, 6, 5) \\
L_{2751} &= \begin{bmatrix} 1054 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 4, 6, 5) \\
L_{2752} &= \begin{bmatrix} 1054 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 4, 6, 5) \\
L_{2753} &= \begin{bmatrix} 1054 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 4, 6, 5) \\
L_{2754} &= \begin{bmatrix} 1054 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 4, 6, 5) \\
L_{2755} &= \begin{bmatrix} 1054 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 4, 6, 5)
\end{aligned}$$

$$\begin{aligned}
L_{2756} &= \begin{bmatrix} 1054 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 4, 6, 5) \\
L_{2757} &= \begin{bmatrix} 1054 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 4, 7, 5) \\
L_{2758} &= \begin{bmatrix} 1054 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 4, 7, 5) \\
L_{2759} &= \begin{bmatrix} 1054 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 4, 7, 5) \\
L_{2760} &= \begin{bmatrix} 1054 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 4, 7, 5) \\
L_{2761} &= \begin{bmatrix} 1054 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 4, 7, 5) \\
L_{2762} &= \begin{bmatrix} 1054 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 4, 7, 5) \\
L_{2763} &= \begin{bmatrix} 1054 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 4, 7, 5) \\
L_{2764} &= \begin{bmatrix} 1054 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 4, 7, 5) \\
L_{2765} &= \begin{bmatrix} 1504 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 0, 0, 5) \\
L_{2766} &= \begin{bmatrix} 1504 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 5, 1, 5) \\
L_{2767} &= \begin{bmatrix} 1504 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 7, 2, 5) \\
L_{2768} &= \begin{bmatrix} 1504 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 2, 3, 5) \\
L_{2769} &= \begin{bmatrix} 1504 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 3, 4, 5) \\
L_{2770} &= \begin{bmatrix} 1504 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 6, 5, 5) \\
L_{2771} &= \begin{bmatrix} 1504 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 4, 6, 5) \\
L_{2772} &= \begin{bmatrix} 1504 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 1, 7, 5) \\
L_{2773} &= \begin{bmatrix} 1540 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 4, 0, 5, 1, 0) \\
L_{2774} &= \begin{bmatrix} 1064 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 4, 0, 6) \\
L_{2775} &= \begin{bmatrix} 1064 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 4, 0, 6) \\
L_{2776} &= \begin{bmatrix} 1064 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 4, 0, 6)
\end{aligned}$$



$$\begin{aligned}
L_{2777} &= \begin{bmatrix} 1064 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 4, 0, 6) \\
L_{2778} &= \begin{bmatrix} 1064 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 4, 0, 6) \\
L_{2779} &= \begin{bmatrix} 1064 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 4, 0, 6) \\
L_{2780} &= \begin{bmatrix} 1064 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 4, 0, 6) \\
L_{2781} &= \begin{bmatrix} 1064 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 4, 0, 6) \\
L_{2782} &= \begin{bmatrix} 1064 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 4, 1, 6) \\
L_{2783} &= \begin{bmatrix} 1064 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 4, 1, 6) \\
L_{2784} &= \begin{bmatrix} 1064 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 4, 1, 6) \\
L_{2785} &= \begin{bmatrix} 1064 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 4, 1, 6) \\
L_{2786} &= \begin{bmatrix} 1064 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 4, 1, 6) \\
L_{2787} &= \begin{bmatrix} 1064 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 4, 1, 6) \\
L_{2788} &= \begin{bmatrix} 1064 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 4, 1, 6) \\
L_{2789} &= \begin{bmatrix} 1064 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 4, 1, 6) \\
L_{2790} &= \begin{bmatrix} 1064 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 4, 2, 6) \\
L_{2791} &= \begin{bmatrix} 1064 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 4, 2, 6) \\
L_{2792} &= \begin{bmatrix} 1064 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 4, 2, 6) \\
L_{2793} &= \begin{bmatrix} 1064 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 4, 2, 6) \\
L_{2794} &= \begin{bmatrix} 1064 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 4, 2, 6) \\
L_{2795} &= \begin{bmatrix} 1064 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 4, 2, 6) \\
L_{2796} &= \begin{bmatrix} 1064 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 4, 2, 6) \\
L_{2797} &= \begin{bmatrix} 1064 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 4, 2, 6)
\end{aligned}$$

$$\begin{aligned}
L_{2798} &= \begin{bmatrix} 1064 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 4, 3, 6) \\
L_{2799} &= \begin{bmatrix} 1064 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 4, 3, 6) \\
L_{2800} &= \begin{bmatrix} 1064 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 4, 3, 6) \\
L_{2801} &= \begin{bmatrix} 1064 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 4, 3, 6) \\
L_{2802} &= \begin{bmatrix} 1064 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 4, 3, 6) \\
L_{2803} &= \begin{bmatrix} 1064 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 4, 3, 6) \\
L_{2804} &= \begin{bmatrix} 1064 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 4, 3, 6) \\
L_{2805} &= \begin{bmatrix} 1064 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 4, 3, 6) \\
L_{2806} &= \begin{bmatrix} 1064 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 4, 4, 6) \\
L_{2807} &= \begin{bmatrix} 1064 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 4, 4, 6) \\
L_{2808} &= \begin{bmatrix} 1064 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 4, 4, 6) \\
L_{2809} &= \begin{bmatrix} 1064 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 4, 4, 6) \\
L_{2810} &= \begin{bmatrix} 1064 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 4, 4, 6) \\
L_{2811} &= \begin{bmatrix} 1064 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 4, 4, 6) \\
L_{2812} &= \begin{bmatrix} 1064 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 4, 4, 6) \\
L_{2813} &= \begin{bmatrix} 1064 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 4, 4, 6) \\
L_{2814} &= \begin{bmatrix} 1064 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 4, 5, 6) \\
L_{2815} &= \begin{bmatrix} 1064 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 4, 5, 6) \\
L_{2816} &= \begin{bmatrix} 1064 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 4, 5, 6) \\
L_{2817} &= \begin{bmatrix} 1064 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 4, 5, 6) \\
L_{2818} &= \begin{bmatrix} 1064 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 4, 5, 6)
\end{aligned}$$

$$\begin{aligned}
L_{2819} &= \begin{bmatrix} 1064 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 4, 5, 6) \\
L_{2820} &= \begin{bmatrix} 1064 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 4, 5, 6) \\
L_{2821} &= \begin{bmatrix} 1064 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 4, 5, 6) \\
L_{2822} &= \begin{bmatrix} 1064 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 4, 6, 6) \\
L_{2823} &= \begin{bmatrix} 1064 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 4, 6, 6) \\
L_{2824} &= \begin{bmatrix} 1064 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 4, 6, 6) \\
L_{2825} &= \begin{bmatrix} 1064 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 4, 6, 6) \\
L_{2826} &= \begin{bmatrix} 1064 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 4, 6, 6) \\
L_{2827} &= \begin{bmatrix} 1064 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 4, 6, 6) \\
L_{2828} &= \begin{bmatrix} 1064 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 4, 6, 6) \\
L_{2829} &= \begin{bmatrix} 1064 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 4, 6, 6) \\
L_{2830} &= \begin{bmatrix} 1064 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 4, 7, 6) \\
L_{2831} &= \begin{bmatrix} 1064 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 4, 7, 6) \\
L_{2832} &= \begin{bmatrix} 1064 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 4, 7, 6) \\
L_{2833} &= \begin{bmatrix} 1064 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 4, 7, 6) \\
L_{2834} &= \begin{bmatrix} 1064 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 4, 7, 6) \\
L_{2835} &= \begin{bmatrix} 1064 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 4, 7, 6) \\
L_{2836} &= \begin{bmatrix} 1064 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 4, 7, 6) \\
L_{2837} &= \begin{bmatrix} 1064 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 4, 7, 6) \\
L_{2838} &= \begin{bmatrix} 1604 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 0, 0, 6) \\
L_{2839} &= \begin{bmatrix} 1604 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 6, 1, 6)
\end{aligned}$$

$$\begin{aligned}
L_{2840} &= \begin{bmatrix} 1604 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 1, 2, 6) \\
L_{2841} &= \begin{bmatrix} 1604 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 7, 3, 6) \\
L_{2842} &= \begin{bmatrix} 1604 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 2, 4, 6) \\
L_{2843} &= \begin{bmatrix} 1604 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 4, 5, 6) \\
L_{2844} &= \begin{bmatrix} 1604 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 3, 6, 6) \\
L_{2845} &= \begin{bmatrix} 1604 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 5, 7, 6) \\
L_{2846} &= \begin{bmatrix} 1640 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 4, 0, 6, 1, 0) \\
L_{2847} &= \begin{bmatrix} 1074 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 4, 0, 7) \\
L_{2848} &= \begin{bmatrix} 1074 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 4, 0, 7) \\
L_{2849} &= \begin{bmatrix} 1074 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 4, 0, 7) \\
L_{2850} &= \begin{bmatrix} 1074 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 4, 0, 7) \\
L_{2851} &= \begin{bmatrix} 1074 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 4, 0, 7) \\
L_{2852} &= \begin{bmatrix} 1074 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 4, 0, 7) \\
L_{2853} &= \begin{bmatrix} 1074 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 4, 0, 7) \\
L_{2854} &= \begin{bmatrix} 1074 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 4, 0, 7) \\
L_{2855} &= \begin{bmatrix} 1074 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 4, 1, 7) \\
L_{2856} &= \begin{bmatrix} 1074 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 4, 1, 7) \\
L_{2857} &= \begin{bmatrix} 1074 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 4, 1, 7) \\
L_{2858} &= \begin{bmatrix} 1074 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 4, 1, 7) \\
L_{2859} &= \begin{bmatrix} 1074 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 4, 1, 7) \\
L_{2860} &= \begin{bmatrix} 1074 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 4, 1, 7)
\end{aligned}$$

$$\begin{aligned}
L_{2861} &= \begin{bmatrix} 1074 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 4, 1, 7) \\
L_{2862} &= \begin{bmatrix} 1074 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 4, 1, 7) \\
L_{2863} &= \begin{bmatrix} 1074 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 4, 2, 7) \\
L_{2864} &= \begin{bmatrix} 1074 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 4, 2, 7) \\
L_{2865} &= \begin{bmatrix} 1074 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 4, 2, 7) \\
L_{2866} &= \begin{bmatrix} 1074 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 4, 2, 7) \\
L_{2867} &= \begin{bmatrix} 1074 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 4, 2, 7) \\
L_{2868} &= \begin{bmatrix} 1074 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 4, 2, 7) \\
L_{2869} &= \begin{bmatrix} 1074 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 4, 2, 7) \\
L_{2870} &= \begin{bmatrix} 1074 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 4, 2, 7) \\
L_{2871} &= \begin{bmatrix} 1074 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 4, 3, 7) \\
L_{2872} &= \begin{bmatrix} 1074 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 4, 3, 7) \\
L_{2873} &= \begin{bmatrix} 1074 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 4, 3, 7) \\
L_{2874} &= \begin{bmatrix} 1074 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 4, 3, 7) \\
L_{2875} &= \begin{bmatrix} 1074 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 4, 3, 7) \\
L_{2876} &= \begin{bmatrix} 1074 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 4, 3, 7) \\
L_{2877} &= \begin{bmatrix} 1074 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 4, 3, 7) \\
L_{2878} &= \begin{bmatrix} 1074 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 4, 3, 7) \\
L_{2879} &= \begin{bmatrix} 1074 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 4, 4, 7) \\
L_{2880} &= \begin{bmatrix} 1074 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 4, 4, 7) \\
L_{2881} &= \begin{bmatrix} 1074 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 4, 4, 7)
\end{aligned}$$

$$\begin{aligned}
L_{2882} &= \begin{bmatrix} 1074 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 4, 4, 7) \\
L_{2883} &= \begin{bmatrix} 1074 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 4, 4, 7) \\
L_{2884} &= \begin{bmatrix} 1074 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 4, 4, 7) \\
L_{2885} &= \begin{bmatrix} 1074 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 4, 4, 7) \\
L_{2886} &= \begin{bmatrix} 1074 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 4, 4, 7) \\
L_{2887} &= \begin{bmatrix} 1074 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 4, 5, 7) \\
L_{2888} &= \begin{bmatrix} 1074 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 4, 5, 7) \\
L_{2889} &= \begin{bmatrix} 1074 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 4, 5, 7) \\
L_{2890} &= \begin{bmatrix} 1074 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 4, 5, 7) \\
L_{2891} &= \begin{bmatrix} 1074 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 4, 5, 7) \\
L_{2892} &= \begin{bmatrix} 1074 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 4, 5, 7) \\
L_{2893} &= \begin{bmatrix} 1074 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 4, 5, 7) \\
L_{2894} &= \begin{bmatrix} 1074 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 4, 5, 7) \\
L_{2895} &= \begin{bmatrix} 1074 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 4, 6, 7) \\
L_{2896} &= \begin{bmatrix} 1074 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 4, 6, 7) \\
L_{2897} &= \begin{bmatrix} 1074 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 4, 6, 7) \\
L_{2898} &= \begin{bmatrix} 1074 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 4, 6, 7) \\
L_{2899} &= \begin{bmatrix} 1074 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 4, 6, 7) \\
L_{2900} &= \begin{bmatrix} 1074 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 4, 6, 7) \\
L_{2901} &= \begin{bmatrix} 1074 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 4, 6, 7) \\
L_{2902} &= \begin{bmatrix} 1074 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 4, 6, 7)
\end{aligned}$$

$$\begin{aligned}
L_{2903} &= \begin{bmatrix} 1074 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 4, 7, 7) \\
L_{2904} &= \begin{bmatrix} 1074 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 4, 7, 7) \\
L_{2905} &= \begin{bmatrix} 1074 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 4, 7, 7) \\
L_{2906} &= \begin{bmatrix} 1074 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 4, 7, 7) \\
L_{2907} &= \begin{bmatrix} 1074 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 4, 7, 7) \\
L_{2908} &= \begin{bmatrix} 1074 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 4, 7, 7) \\
L_{2909} &= \begin{bmatrix} 1074 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 4, 7, 7) \\
L_{2910} &= \begin{bmatrix} 1074 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 4, 7, 7) \\
L_{2911} &= \begin{bmatrix} 1704 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 0, 0, 7) \\
L_{2912} &= \begin{bmatrix} 1704 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 7, 1, 7) \\
L_{2913} &= \begin{bmatrix} 1704 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 3, 2, 7) \\
L_{2914} &= \begin{bmatrix} 1704 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 4, 3, 7) \\
L_{2915} &= \begin{bmatrix} 1704 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 6, 4, 7) \\
L_{2916} &= \begin{bmatrix} 1704 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 1, 5, 7) \\
L_{2917} &= \begin{bmatrix} 1704 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 5, 6, 7) \\
L_{2918} &= \begin{bmatrix} 1704 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 4, 1, 2, 7, 7) \\
L_{2919} &= \begin{bmatrix} 1740 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 4, 0, 7, 1, 0) \\
L_{2920} &= \begin{bmatrix} 1005 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 5, 0, 0) \\
L_{2921} &= \begin{bmatrix} 1005 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 5, 0, 0) \\
L_{2922} &= \begin{bmatrix} 1005 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 5, 0, 0) \\
L_{2923} &= \begin{bmatrix} 1005 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 5, 0, 0)
\end{aligned}$$

$$\begin{aligned}
L_{2924} &= \begin{bmatrix} 1005 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 5, 0, 0) \\
L_{2925} &= \begin{bmatrix} 1005 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 5, 0, 0) \\
L_{2926} &= \begin{bmatrix} 1005 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 5, 0, 0) \\
L_{2927} &= \begin{bmatrix} 1005 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 5, 0, 0) \\
L_{2928} &= \begin{bmatrix} 1005 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 5, 1, 0) \\
L_{2929} &= \begin{bmatrix} 1005 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 5, 1, 0) \\
L_{2930} &= \begin{bmatrix} 1005 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 5, 1, 0) \\
L_{2931} &= \begin{bmatrix} 1005 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 5, 1, 0) \\
L_{2932} &= \begin{bmatrix} 1005 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 5, 1, 0) \\
L_{2933} &= \begin{bmatrix} 1005 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 5, 1, 0) \\
L_{2934} &= \begin{bmatrix} 1005 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 5, 1, 0) \\
L_{2935} &= \begin{bmatrix} 1005 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 5, 1, 0) \\
L_{2936} &= \begin{bmatrix} 1005 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 5, 2, 0) \\
L_{2937} &= \begin{bmatrix} 1005 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 5, 2, 0) \\
L_{2938} &= \begin{bmatrix} 1005 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 5, 2, 0) \\
L_{2939} &= \begin{bmatrix} 1005 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 5, 2, 0) \\
L_{2940} &= \begin{bmatrix} 1005 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 5, 2, 0) \\
L_{2941} &= \begin{bmatrix} 1005 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 5, 2, 0) \\
L_{2942} &= \begin{bmatrix} 1005 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 5, 2, 0) \\
L_{2943} &= \begin{bmatrix} 1005 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 5, 2, 0) \\
L_{2944} &= \begin{bmatrix} 1005 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 5, 3, 0)
\end{aligned}$$



$$\begin{aligned}
L_{2945} &= \begin{bmatrix} 1005 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 5, 3, 0) \\
L_{2946} &= \begin{bmatrix} 1005 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 5, 3, 0) \\
L_{2947} &= \begin{bmatrix} 1005 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 5, 3, 0) \\
L_{2948} &= \begin{bmatrix} 1005 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 5, 3, 0) \\
L_{2949} &= \begin{bmatrix} 1005 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 5, 3, 0) \\
L_{2950} &= \begin{bmatrix} 1005 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 5, 3, 0) \\
L_{2951} &= \begin{bmatrix} 1005 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 5, 3, 0) \\
L_{2952} &= \begin{bmatrix} 1005 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 5, 4, 0) \\
L_{2953} &= \begin{bmatrix} 1005 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 5, 4, 0) \\
L_{2954} &= \begin{bmatrix} 1005 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 5, 4, 0) \\
L_{2955} &= \begin{bmatrix} 1005 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 5, 4, 0) \\
L_{2956} &= \begin{bmatrix} 1005 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 5, 4, 0) \\
L_{2957} &= \begin{bmatrix} 1005 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 5, 4, 0) \\
L_{2958} &= \begin{bmatrix} 1005 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 5, 4, 0) \\
L_{2959} &= \begin{bmatrix} 1005 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 5, 4, 0) \\
L_{2960} &= \begin{bmatrix} 1005 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 5, 5, 0) \\
L_{2961} &= \begin{bmatrix} 1005 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 5, 5, 0) \\
L_{2962} &= \begin{bmatrix} 1005 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 5, 5, 0) \\
L_{2963} &= \begin{bmatrix} 1005 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 5, 5, 0) \\
L_{2964} &= \begin{bmatrix} 1005 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 5, 5, 0) \\
L_{2965} &= \begin{bmatrix} 1005 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 5, 5, 0)
\end{aligned}$$

$$\begin{aligned}
L_{2966} &= \begin{bmatrix} 1005 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 5, 5, 0) \\
L_{2967} &= \begin{bmatrix} 1005 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 5, 5, 0) \\
L_{2968} &= \begin{bmatrix} 1005 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 5, 6, 0) \\
L_{2969} &= \begin{bmatrix} 1005 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 5, 6, 0) \\
L_{2970} &= \begin{bmatrix} 1005 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 5, 6, 0) \\
L_{2971} &= \begin{bmatrix} 1005 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 5, 6, 0) \\
L_{2972} &= \begin{bmatrix} 1005 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 5, 6, 0) \\
L_{2973} &= \begin{bmatrix} 1005 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 5, 6, 0) \\
L_{2974} &= \begin{bmatrix} 1005 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 5, 6, 0) \\
L_{2975} &= \begin{bmatrix} 1005 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 5, 6, 0) \\
L_{2976} &= \begin{bmatrix} 1005 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 5, 7, 0) \\
L_{2977} &= \begin{bmatrix} 1005 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 5, 7, 0) \\
L_{2978} &= \begin{bmatrix} 1005 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 5, 7, 0) \\
L_{2979} &= \begin{bmatrix} 1005 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 5, 7, 0) \\
L_{2980} &= \begin{bmatrix} 1005 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 5, 7, 0) \\
L_{2981} &= \begin{bmatrix} 1005 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 5, 7, 0) \\
L_{2982} &= \begin{bmatrix} 1005 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 5, 7, 0) \\
L_{2983} &= \begin{bmatrix} 1005 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 5, 7, 0) \\
L_{2984} &= \begin{bmatrix} 1005 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 0, 0, 0) \\
L_{2985} &= \begin{bmatrix} 1005 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 0, 1, 0) \\
L_{2986} &= \begin{bmatrix} 1005 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 0, 2, 0)
\end{aligned}$$

$$\begin{aligned}
L_{2987} &= \begin{bmatrix} 1005 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 0, 3, 0) \\
L_{2988} &= \begin{bmatrix} 1005 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 0, 4, 0) \\
L_{2989} &= \begin{bmatrix} 1005 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 0, 5, 0) \\
L_{2990} &= \begin{bmatrix} 1005 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 0, 6, 0) \\
L_{2991} &= \begin{bmatrix} 1005 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 0, 7, 0) \\
L_{2992} &= \begin{bmatrix} 1050 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 5, 0, 0, 1, 0) \\
L_{2993} &= \begin{bmatrix} 1015 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 5, 0, 1) \\
L_{2994} &= \begin{bmatrix} 1015 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 5, 0, 1) \\
L_{2995} &= \begin{bmatrix} 1015 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 5, 0, 1) \\
L_{2996} &= \begin{bmatrix} 1015 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 5, 0, 1) \\
L_{2997} &= \begin{bmatrix} 1015 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 5, 0, 1) \\
L_{2998} &= \begin{bmatrix} 1015 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 5, 0, 1) \\
L_{2999} &= \begin{bmatrix} 1015 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 5, 0, 1)
\end{aligned}$$

$$\begin{aligned}
L_{3000} &= \begin{bmatrix} 1015 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 5, 0, 1) \\
L_{3001} &= \begin{bmatrix} 1015 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 5, 1, 1) \\
L_{3002} &= \begin{bmatrix} 1015 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 5, 1, 1) \\
L_{3003} &= \begin{bmatrix} 1015 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 5, 1, 1) \\
L_{3004} &= \begin{bmatrix} 1015 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 5, 1, 1) \\
L_{3005} &= \begin{bmatrix} 1015 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 5, 1, 1) \\
L_{3006} &= \begin{bmatrix} 1015 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 5, 1, 1) \\
L_{3007} &= \begin{bmatrix} 1015 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 5, 1, 1) \\
L_{3008} &= \begin{bmatrix} 1015 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 5, 1, 1) \\
L_{3009} &= \begin{bmatrix} 1015 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 5, 2, 1) \\
L_{3010} &= \begin{bmatrix} 1015 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 5, 2, 1) \\
L_{3011} &= \begin{bmatrix} 1015 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 5, 2, 1) \\
L_{3012} &= \begin{bmatrix} 1015 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 5, 2, 1) \\
L_{3013} &= \begin{bmatrix} 1015 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 5, 2, 1) \\
L_{3014} &= \begin{bmatrix} 1015 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 5, 2, 1) \\
L_{3015} &= \begin{bmatrix} 1015 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 5, 2, 1) \\
L_{3016} &= \begin{bmatrix} 1015 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 5, 2, 1) \\
L_{3017} &= \begin{bmatrix} 1015 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 5, 3, 1) \\
L_{3018} &= \begin{bmatrix} 1015 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 5, 3, 1) \\
L_{3019} &= \begin{bmatrix} 1015 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 5, 3, 1) \\
L_{3020} &= \begin{bmatrix} 1015 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 5, 3, 1)
\end{aligned}$$

$$\begin{aligned}
L_{3021} &= \begin{bmatrix} 1015 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 5, 3, 1) \\
L_{3022} &= \begin{bmatrix} 1015 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 5, 3, 1) \\
L_{3023} &= \begin{bmatrix} 1015 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 5, 3, 1) \\
L_{3024} &= \begin{bmatrix} 1015 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 5, 3, 1) \\
L_{3025} &= \begin{bmatrix} 1015 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 5, 4, 1) \\
L_{3026} &= \begin{bmatrix} 1015 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 5, 4, 1) \\
L_{3027} &= \begin{bmatrix} 1015 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 5, 4, 1) \\
L_{3028} &= \begin{bmatrix} 1015 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 5, 4, 1) \\
L_{3029} &= \begin{bmatrix} 1015 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 5, 4, 1) \\
L_{3030} &= \begin{bmatrix} 1015 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 5, 4, 1) \\
L_{3031} &= \begin{bmatrix} 1015 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 5, 4, 1) \\
L_{3032} &= \begin{bmatrix} 1015 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 5, 4, 1) \\
L_{3033} &= \begin{bmatrix} 1015 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 5, 5, 1) \\
L_{3034} &= \begin{bmatrix} 1015 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 5, 5, 1) \\
L_{3035} &= \begin{bmatrix} 1015 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 5, 5, 1) \\
L_{3036} &= \begin{bmatrix} 1015 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 5, 5, 1) \\
L_{3037} &= \begin{bmatrix} 1015 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 5, 5, 1) \\
L_{3038} &= \begin{bmatrix} 1015 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 5, 5, 1) \\
L_{3039} &= \begin{bmatrix} 1015 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 5, 5, 1) \\
L_{3040} &= \begin{bmatrix} 1015 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 5, 5, 1) \\
L_{3041} &= \begin{bmatrix} 1015 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 5, 6, 1)
\end{aligned}$$

$$\begin{aligned}
L_{3042} &= \begin{bmatrix} 1015 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 5, 6, 1) \\
L_{3043} &= \begin{bmatrix} 1015 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 5, 6, 1) \\
L_{3044} &= \begin{bmatrix} 1015 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 5, 6, 1) \\
L_{3045} &= \begin{bmatrix} 1015 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 5, 6, 1) \\
L_{3046} &= \begin{bmatrix} 1015 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 5, 6, 1) \\
L_{3047} &= \begin{bmatrix} 1015 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 5, 6, 1) \\
L_{3048} &= \begin{bmatrix} 1015 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 5, 6, 1) \\
L_{3049} &= \begin{bmatrix} 1015 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 5, 7, 1) \\
L_{3050} &= \begin{bmatrix} 1015 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 5, 7, 1) \\
L_{3051} &= \begin{bmatrix} 1015 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 5, 7, 1) \\
L_{3052} &= \begin{bmatrix} 1015 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 5, 7, 1) \\
L_{3053} &= \begin{bmatrix} 1015 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 5, 7, 1) \\
L_{3054} &= \begin{bmatrix} 1015 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 5, 7, 1) \\
L_{3055} &= \begin{bmatrix} 1015 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 5, 7, 1) \\
L_{3056} &= \begin{bmatrix} 1015 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 5, 7, 1) \\
L_{3057} &= \begin{bmatrix} 1105 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 0, 0, 1) \\
L_{3058} &= \begin{bmatrix} 1105 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 1, 1, 1) \\
L_{3059} &= \begin{bmatrix} 1105 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 2, 2, 1) \\
L_{3060} &= \begin{bmatrix} 1105 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 3, 3, 1) \\
L_{3061} &= \begin{bmatrix} 1105 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 4, 4, 1) \\
L_{3062} &= \begin{bmatrix} 1105 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 5, 5, 1)
\end{aligned}$$

$$\begin{aligned}
L_{3063} &= \begin{bmatrix} 1105 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 6, 6, 1) \\
L_{3064} &= \begin{bmatrix} 1105 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 7, 7, 1) \\
L_{3065} &= \begin{bmatrix} 1150 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 5, 0, 1, 1, 0) \\
L_{3066} &= \begin{bmatrix} 1025 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 5, 0, 2) \\
L_{3067} &= \begin{bmatrix} 1025 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 5, 0, 2) \\
L_{3068} &= \begin{bmatrix} 1025 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 5, 0, 2) \\
L_{3069} &= \begin{bmatrix} 1025 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 5, 0, 2) \\
L_{3070} &= \begin{bmatrix} 1025 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 5, 0, 2) \\
L_{3071} &= \begin{bmatrix} 1025 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 5, 0, 2) \\
L_{3072} &= \begin{bmatrix} 1025 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 5, 0, 2) \\
L_{3073} &= \begin{bmatrix} 1025 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 5, 0, 2) \\
L_{3074} &= \begin{bmatrix} 1025 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 5, 1, 2) \\
L_{3075} &= \begin{bmatrix} 1025 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 5, 1, 2) \\
L_{3076} &= \begin{bmatrix} 1025 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 5, 1, 2) \\
L_{3077} &= \begin{bmatrix} 1025 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 5, 1, 2) \\
L_{3078} &= \begin{bmatrix} 1025 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 5, 1, 2) \\
L_{3079} &= \begin{bmatrix} 1025 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 5, 1, 2) \\
L_{3080} &= \begin{bmatrix} 1025 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 5, 1, 2) \\
L_{3081} &= \begin{bmatrix} 1025 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 5, 1, 2) \\
L_{3082} &= \begin{bmatrix} 1025 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 5, 2, 2) \\
L_{3083} &= \begin{bmatrix} 1025 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 5, 2, 2)
\end{aligned}$$

$$\begin{aligned}
L_{3084} &= \begin{bmatrix} 1025 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 5, 2, 2) \\
L_{3085} &= \begin{bmatrix} 1025 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 5, 2, 2) \\
L_{3086} &= \begin{bmatrix} 1025 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 5, 2, 2) \\
L_{3087} &= \begin{bmatrix} 1025 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 5, 2, 2) \\
L_{3088} &= \begin{bmatrix} 1025 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 5, 2, 2) \\
L_{3089} &= \begin{bmatrix} 1025 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 5, 2, 2) \\
L_{3090} &= \begin{bmatrix} 1025 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 5, 3, 2) \\
L_{3091} &= \begin{bmatrix} 1025 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 5, 3, 2) \\
L_{3092} &= \begin{bmatrix} 1025 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 5, 3, 2) \\
L_{3093} &= \begin{bmatrix} 1025 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 5, 3, 2) \\
L_{3094} &= \begin{bmatrix} 1025 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 5, 3, 2) \\
L_{3095} &= \begin{bmatrix} 1025 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 5, 3, 2) \\
L_{3096} &= \begin{bmatrix} 1025 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 5, 3, 2) \\
L_{3097} &= \begin{bmatrix} 1025 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 5, 3, 2) \\
L_{3098} &= \begin{bmatrix} 1025 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 5, 4, 2) \\
L_{3099} &= \begin{bmatrix} 1025 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 5, 4, 2) \\
L_{3100} &= \begin{bmatrix} 1025 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 5, 4, 2) \\
L_{3101} &= \begin{bmatrix} 1025 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 5, 4, 2) \\
L_{3102} &= \begin{bmatrix} 1025 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 5, 4, 2) \\
L_{3103} &= \begin{bmatrix} 1025 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 5, 4, 2) \\
L_{3104} &= \begin{bmatrix} 1025 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 5, 4, 2)
\end{aligned}$$



$$\begin{aligned}
L_{3105} &= \begin{bmatrix} 1025 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 5, 4, 2) \\
L_{3106} &= \begin{bmatrix} 1025 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 5, 5, 2) \\
L_{3107} &= \begin{bmatrix} 1025 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 5, 5, 2) \\
L_{3108} &= \begin{bmatrix} 1025 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 5, 5, 2) \\
L_{3109} &= \begin{bmatrix} 1025 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 5, 5, 2) \\
L_{3110} &= \begin{bmatrix} 1025 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 5, 5, 2) \\
L_{3111} &= \begin{bmatrix} 1025 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 5, 5, 2) \\
L_{3112} &= \begin{bmatrix} 1025 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 5, 5, 2) \\
L_{3113} &= \begin{bmatrix} 1025 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 5, 5, 2) \\
L_{3114} &= \begin{bmatrix} 1025 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 5, 6, 2) \\
L_{3115} &= \begin{bmatrix} 1025 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 5, 6, 2) \\
L_{3116} &= \begin{bmatrix} 1025 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 5, 6, 2) \\
L_{3117} &= \begin{bmatrix} 1025 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 5, 6, 2) \\
L_{3118} &= \begin{bmatrix} 1025 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 5, 6, 2) \\
L_{3119} &= \begin{bmatrix} 1025 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 5, 6, 2) \\
L_{3120} &= \begin{bmatrix} 1025 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 5, 6, 2) \\
L_{3121} &= \begin{bmatrix} 1025 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 5, 6, 2) \\
L_{3122} &= \begin{bmatrix} 1025 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 5, 7, 2) \\
L_{3123} &= \begin{bmatrix} 1025 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 5, 7, 2) \\
L_{3124} &= \begin{bmatrix} 1025 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 5, 7, 2) \\
L_{3125} &= \begin{bmatrix} 1025 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 5, 7, 2)
\end{aligned}$$

$$\begin{aligned}
L_{3126} &= \begin{bmatrix} 1025 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 5, 7, 2) \\
L_{3127} &= \begin{bmatrix} 1025 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 5, 7, 2) \\
L_{3128} &= \begin{bmatrix} 1025 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 5, 7, 2) \\
L_{3129} &= \begin{bmatrix} 1025 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 5, 7, 2) \\
L_{3130} &= \begin{bmatrix} 1205 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 0, 0, 2) \\
L_{3131} &= \begin{bmatrix} 1205 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 2, 1, 2) \\
L_{3132} &= \begin{bmatrix} 1205 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 4, 2, 2) \\
L_{3133} &= \begin{bmatrix} 1205 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 6, 3, 2) \\
L_{3134} &= \begin{bmatrix} 1205 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 5, 4, 2) \\
L_{3135} &= \begin{bmatrix} 1205 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 7, 5, 2) \\
L_{3136} &= \begin{bmatrix} 1205 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 1, 6, 2) \\
L_{3137} &= \begin{bmatrix} 1205 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 3, 7, 2) \\
L_{3138} &= \begin{bmatrix} 1250 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 5, 0, 2, 1, 0) \\
L_{3139} &= \begin{bmatrix} 1035 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 5, 0, 3) \\
L_{3140} &= \begin{bmatrix} 1035 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 5, 0, 3) \\
L_{3141} &= \begin{bmatrix} 1035 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 5, 0, 3) \\
L_{3142} &= \begin{bmatrix} 1035 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 5, 0, 3) \\
L_{3143} &= \begin{bmatrix} 1035 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 5, 0, 3) \\
L_{3144} &= \begin{bmatrix} 1035 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 5, 0, 3) \\
L_{3145} &= \begin{bmatrix} 1035 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 5, 0, 3) \\
L_{3146} &= \begin{bmatrix} 1035 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 5, 0, 3)
\end{aligned}$$

$$\begin{aligned}
L_{3147} &= \begin{bmatrix} 1035 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 5, 1, 3) \\
L_{3148} &= \begin{bmatrix} 1035 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 5, 1, 3) \\
L_{3149} &= \begin{bmatrix} 1035 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 5, 1, 3) \\
L_{3150} &= \begin{bmatrix} 1035 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 5, 1, 3) \\
L_{3151} &= \begin{bmatrix} 1035 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 5, 1, 3) \\
L_{3152} &= \begin{bmatrix} 1035 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 5, 1, 3) \\
L_{3153} &= \begin{bmatrix} 1035 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 5, 1, 3) \\
L_{3154} &= \begin{bmatrix} 1035 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 5, 1, 3) \\
L_{3155} &= \begin{bmatrix} 1035 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 5, 2, 3) \\
L_{3156} &= \begin{bmatrix} 1035 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 5, 2, 3) \\
L_{3157} &= \begin{bmatrix} 1035 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 5, 2, 3) \\
L_{3158} &= \begin{bmatrix} 1035 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 5, 2, 3) \\
L_{3159} &= \begin{bmatrix} 1035 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 5, 2, 3) \\
L_{3160} &= \begin{bmatrix} 1035 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 5, 2, 3) \\
L_{3161} &= \begin{bmatrix} 1035 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 5, 2, 3) \\
L_{3162} &= \begin{bmatrix} 1035 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 5, 2, 3) \\
L_{3163} &= \begin{bmatrix} 1035 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 5, 3, 3) \\
L_{3164} &= \begin{bmatrix} 1035 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 5, 3, 3) \\
L_{3165} &= \begin{bmatrix} 1035 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 5, 3, 3) \\
L_{3166} &= \begin{bmatrix} 1035 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 5, 3, 3) \\
L_{3167} &= \begin{bmatrix} 1035 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 5, 3, 3)
\end{aligned}$$

$$\begin{aligned}
L_{3168} &= \begin{bmatrix} 1035 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 5, 3, 3) \\
L_{3169} &= \begin{bmatrix} 1035 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 5, 3, 3) \\
L_{3170} &= \begin{bmatrix} 1035 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 5, 3, 3) \\
L_{3171} &= \begin{bmatrix} 1035 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 5, 4, 3) \\
L_{3172} &= \begin{bmatrix} 1035 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 5, 4, 3) \\
L_{3173} &= \begin{bmatrix} 1035 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 5, 4, 3) \\
L_{3174} &= \begin{bmatrix} 1035 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 5, 4, 3) \\
L_{3175} &= \begin{bmatrix} 1035 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 5, 4, 3) \\
L_{3176} &= \begin{bmatrix} 1035 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 5, 4, 3) \\
L_{3177} &= \begin{bmatrix} 1035 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 5, 4, 3) \\
L_{3178} &= \begin{bmatrix} 1035 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 5, 4, 3) \\
L_{3179} &= \begin{bmatrix} 1035 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 5, 5, 3) \\
L_{3180} &= \begin{bmatrix} 1035 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 5, 5, 3) \\
L_{3181} &= \begin{bmatrix} 1035 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 5, 5, 3) \\
L_{3182} &= \begin{bmatrix} 1035 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 5, 5, 3) \\
L_{3183} &= \begin{bmatrix} 1035 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 5, 5, 3) \\
L_{3184} &= \begin{bmatrix} 1035 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 5, 5, 3) \\
L_{3185} &= \begin{bmatrix} 1035 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 5, 5, 3) \\
L_{3186} &= \begin{bmatrix} 1035 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 5, 5, 3) \\
L_{3187} &= \begin{bmatrix} 1035 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 5, 6, 3) \\
L_{3188} &= \begin{bmatrix} 1035 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 5, 6, 3)
\end{aligned}$$

$$\begin{aligned}
L_{3189} &= \begin{bmatrix} 1035 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 5, 6, 3) \\
L_{3190} &= \begin{bmatrix} 1035 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 5, 6, 3) \\
L_{3191} &= \begin{bmatrix} 1035 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 5, 6, 3) \\
L_{3192} &= \begin{bmatrix} 1035 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 5, 6, 3) \\
L_{3193} &= \begin{bmatrix} 1035 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 5, 6, 3) \\
L_{3194} &= \begin{bmatrix} 1035 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 5, 6, 3) \\
L_{3195} &= \begin{bmatrix} 1035 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 5, 7, 3) \\
L_{3196} &= \begin{bmatrix} 1035 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 5, 7, 3) \\
L_{3197} &= \begin{bmatrix} 1035 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 5, 7, 3) \\
L_{3198} &= \begin{bmatrix} 1035 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 5, 7, 3) \\
L_{3199} &= \begin{bmatrix} 1035 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 5, 7, 3) \\
L_{3200} &= \begin{bmatrix} 1035 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 5, 7, 3) \\
L_{3201} &= \begin{bmatrix} 1035 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 5, 7, 3) \\
L_{3202} &= \begin{bmatrix} 1035 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 5, 7, 3) \\
L_{3203} &= \begin{bmatrix} 1305 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 0, 0, 3) \\
L_{3204} &= \begin{bmatrix} 1305 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 3, 1, 3) \\
L_{3205} &= \begin{bmatrix} 1305 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 6, 2, 3) \\
L_{3206} &= \begin{bmatrix} 1305 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 5, 3, 3) \\
L_{3207} &= \begin{bmatrix} 1305 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 1, 4, 3) \\
L_{3208} &= \begin{bmatrix} 1305 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 2, 5, 3) \\
L_{3209} &= \begin{bmatrix} 1305 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 7, 6, 3)
\end{aligned}$$

$$\begin{aligned}
L_{3210} &= \begin{bmatrix} 1305 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 4, 7, 3) \\
L_{3211} &= \begin{bmatrix} 1350 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 5, 0, 3, 1, 0) \\
L_{3212} &= \begin{bmatrix} 1045 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 5, 0, 4) \\
L_{3213} &= \begin{bmatrix} 1045 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 5, 0, 4) \\
L_{3214} &= \begin{bmatrix} 1045 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 5, 0, 4) \\
L_{3215} &= \begin{bmatrix} 1045 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 5, 0, 4) \\
L_{3216} &= \begin{bmatrix} 1045 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 5, 0, 4) \\
L_{3217} &= \begin{bmatrix} 1045 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 5, 0, 4) \\
L_{3218} &= \begin{bmatrix} 1045 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 5, 0, 4) \\
L_{3219} &= \begin{bmatrix} 1045 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 5, 0, 4) \\
L_{3220} &= \begin{bmatrix} 1045 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 5, 1, 4) \\
L_{3221} &= \begin{bmatrix} 1045 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 5, 1, 4) \\
L_{3222} &= \begin{bmatrix} 1045 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 5, 1, 4) \\
L_{3223} &= \begin{bmatrix} 1045 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 5, 1, 4) \\
L_{3224} &= \begin{bmatrix} 1045 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 5, 1, 4) \\
L_{3225} &= \begin{bmatrix} 1045 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 5, 1, 4) \\
L_{3226} &= \begin{bmatrix} 1045 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 5, 1, 4) \\
L_{3227} &= \begin{bmatrix} 1045 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 5, 1, 4) \\
L_{3228} &= \begin{bmatrix} 1045 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 5, 2, 4) \\
L_{3229} &= \begin{bmatrix} 1045 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 5, 2, 4) \\
L_{3230} &= \begin{bmatrix} 1045 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 5, 2, 4)
\end{aligned}$$

$$\begin{aligned}
L_{3231} &= \begin{bmatrix} 1045 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 5, 2, 4) \\
L_{3232} &= \begin{bmatrix} 1045 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 5, 2, 4) \\
L_{3233} &= \begin{bmatrix} 1045 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 5, 2, 4) \\
L_{3234} &= \begin{bmatrix} 1045 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 5, 2, 4) \\
L_{3235} &= \begin{bmatrix} 1045 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 5, 2, 4) \\
L_{3236} &= \begin{bmatrix} 1045 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 5, 3, 4) \\
L_{3237} &= \begin{bmatrix} 1045 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 5, 3, 4) \\
L_{3238} &= \begin{bmatrix} 1045 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 5, 3, 4) \\
L_{3239} &= \begin{bmatrix} 1045 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 5, 3, 4) \\
L_{3240} &= \begin{bmatrix} 1045 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 5, 3, 4) \\
L_{3241} &= \begin{bmatrix} 1045 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 5, 3, 4) \\
L_{3242} &= \begin{bmatrix} 1045 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 5, 3, 4) \\
L_{3243} &= \begin{bmatrix} 1045 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 5, 3, 4) \\
L_{3244} &= \begin{bmatrix} 1045 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 5, 4, 4) \\
L_{3245} &= \begin{bmatrix} 1045 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 5, 4, 4) \\
L_{3246} &= \begin{bmatrix} 1045 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 5, 4, 4) \\
L_{3247} &= \begin{bmatrix} 1045 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 5, 4, 4) \\
L_{3248} &= \begin{bmatrix} 1045 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 5, 4, 4) \\
L_{3249} &= \begin{bmatrix} 1045 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 5, 4, 4) \\
L_{3250} &= \begin{bmatrix} 1045 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 5, 4, 4) \\
L_{3251} &= \begin{bmatrix} 1045 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 5, 4, 4)
\end{aligned}$$

$$\begin{aligned}
L_{3252} &= \begin{bmatrix} 1045 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 5, 5, 4) \\
L_{3253} &= \begin{bmatrix} 1045 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 5, 5, 4) \\
L_{3254} &= \begin{bmatrix} 1045 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 5, 5, 4) \\
L_{3255} &= \begin{bmatrix} 1045 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 5, 5, 4) \\
L_{3256} &= \begin{bmatrix} 1045 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 5, 5, 4) \\
L_{3257} &= \begin{bmatrix} 1045 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 5, 5, 4) \\
L_{3258} &= \begin{bmatrix} 1045 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 5, 5, 4) \\
L_{3259} &= \begin{bmatrix} 1045 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 5, 5, 4) \\
L_{3260} &= \begin{bmatrix} 1045 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 5, 6, 4) \\
L_{3261} &= \begin{bmatrix} 1045 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 5, 6, 4) \\
L_{3262} &= \begin{bmatrix} 1045 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 5, 6, 4) \\
L_{3263} &= \begin{bmatrix} 1045 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 5, 6, 4) \\
L_{3264} &= \begin{bmatrix} 1045 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 5, 6, 4) \\
L_{3265} &= \begin{bmatrix} 1045 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 5, 6, 4) \\
L_{3266} &= \begin{bmatrix} 1045 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 5, 6, 4) \\
L_{3267} &= \begin{bmatrix} 1045 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 5, 6, 4) \\
L_{3268} &= \begin{bmatrix} 1045 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 5, 7, 4) \\
L_{3269} &= \begin{bmatrix} 1045 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 5, 7, 4) \\
L_{3270} &= \begin{bmatrix} 1045 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 5, 7, 4) \\
L_{3271} &= \begin{bmatrix} 1045 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 5, 7, 4) \\
L_{3272} &= \begin{bmatrix} 1045 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 5, 7, 4)
\end{aligned}$$



$$\begin{aligned}
L_{3273} &= \begin{bmatrix} 1045 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 5, 7, 4) \\
L_{3274} &= \begin{bmatrix} 1045 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 5, 7, 4) \\
L_{3275} &= \begin{bmatrix} 1045 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 5, 7, 4) \\
L_{3276} &= \begin{bmatrix} 1405 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 0, 0, 4) \\
L_{3277} &= \begin{bmatrix} 1405 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 4, 1, 4) \\
L_{3278} &= \begin{bmatrix} 1405 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 5, 2, 4) \\
L_{3279} &= \begin{bmatrix} 1405 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 1, 3, 4) \\
L_{3280} &= \begin{bmatrix} 1405 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 7, 4, 4) \\
L_{3281} &= \begin{bmatrix} 1405 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 3, 5, 4) \\
L_{3282} &= \begin{bmatrix} 1405 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 2, 6, 4) \\
L_{3283} &= \begin{bmatrix} 1405 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 6, 7, 4) \\
L_{3284} &= \begin{bmatrix} 1450 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 5, 0, 4, 1, 0) \\
L_{3285} &= \begin{bmatrix} 1055 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 5, 0, 5) \\
L_{3286} &= \begin{bmatrix} 1055 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 5, 0, 5) \\
L_{3287} &= \begin{bmatrix} 1055 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 5, 0, 5) \\
L_{3288} &= \begin{bmatrix} 1055 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 5, 0, 5) \\
L_{3289} &= \begin{bmatrix} 1055 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 5, 0, 5) \\
L_{3290} &= \begin{bmatrix} 1055 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 5, 0, 5) \\
L_{3291} &= \begin{bmatrix} 1055 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 5, 0, 5) \\
L_{3292} &= \begin{bmatrix} 1055 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 5, 0, 5) \\
L_{3293} &= \begin{bmatrix} 1055 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 5, 1, 5)
\end{aligned}$$

$$\begin{aligned}
L_{3294} &= \begin{bmatrix} 1055 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 5, 1, 5) \\
L_{3295} &= \begin{bmatrix} 1055 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 5, 1, 5) \\
L_{3296} &= \begin{bmatrix} 1055 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 5, 1, 5) \\
L_{3297} &= \begin{bmatrix} 1055 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 5, 1, 5) \\
L_{3298} &= \begin{bmatrix} 1055 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 5, 1, 5) \\
L_{3299} &= \begin{bmatrix} 1055 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 5, 1, 5) \\
L_{3300} &= \begin{bmatrix} 1055 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 5, 1, 5) \\
L_{3301} &= \begin{bmatrix} 1055 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 5, 2, 5) \\
L_{3302} &= \begin{bmatrix} 1055 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 5, 2, 5) \\
L_{3303} &= \begin{bmatrix} 1055 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 5, 2, 5) \\
L_{3304} &= \begin{bmatrix} 1055 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 5, 2, 5) \\
L_{3305} &= \begin{bmatrix} 1055 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 5, 2, 5) \\
L_{3306} &= \begin{bmatrix} 1055 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 5, 2, 5) \\
L_{3307} &= \begin{bmatrix} 1055 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 5, 2, 5) \\
L_{3308} &= \begin{bmatrix} 1055 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 5, 2, 5) \\
L_{3309} &= \begin{bmatrix} 1055 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 5, 3, 5) \\
L_{3310} &= \begin{bmatrix} 1055 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 5, 3, 5) \\
L_{3311} &= \begin{bmatrix} 1055 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 5, 3, 5) \\
L_{3312} &= \begin{bmatrix} 1055 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 5, 3, 5) \\
L_{3313} &= \begin{bmatrix} 1055 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 5, 3, 5) \\
L_{3314} &= \begin{bmatrix} 1055 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 5, 3, 5)
\end{aligned}$$

$$\begin{aligned}
L_{3315} &= \begin{bmatrix} 1055 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 5, 3, 5) \\
L_{3316} &= \begin{bmatrix} 1055 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 5, 3, 5) \\
L_{3317} &= \begin{bmatrix} 1055 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 5, 4, 5) \\
L_{3318} &= \begin{bmatrix} 1055 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 5, 4, 5) \\
L_{3319} &= \begin{bmatrix} 1055 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 5, 4, 5) \\
L_{3320} &= \begin{bmatrix} 1055 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 5, 4, 5) \\
L_{3321} &= \begin{bmatrix} 1055 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 5, 4, 5) \\
L_{3322} &= \begin{bmatrix} 1055 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 5, 4, 5) \\
L_{3323} &= \begin{bmatrix} 1055 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 5, 4, 5) \\
L_{3324} &= \begin{bmatrix} 1055 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 5, 4, 5) \\
L_{3325} &= \begin{bmatrix} 1055 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 5, 5, 5) \\
L_{3326} &= \begin{bmatrix} 1055 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 5, 5, 5) \\
L_{3327} &= \begin{bmatrix} 1055 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 5, 5, 5) \\
L_{3328} &= \begin{bmatrix} 1055 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 5, 5, 5) \\
L_{3329} &= \begin{bmatrix} 1055 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 5, 5, 5) \\
L_{3330} &= \begin{bmatrix} 1055 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 5, 5, 5) \\
L_{3331} &= \begin{bmatrix} 1055 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 5, 5, 5) \\
L_{3332} &= \begin{bmatrix} 1055 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 5, 5, 5) \\
L_{3333} &= \begin{bmatrix} 1055 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 5, 6, 5) \\
L_{3334} &= \begin{bmatrix} 1055 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 5, 6, 5) \\
L_{3335} &= \begin{bmatrix} 1055 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 5, 6, 5)
\end{aligned}$$

$$\begin{aligned}
L_{3336} &= \begin{bmatrix} 1055 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 5, 6, 5) \\
L_{3337} &= \begin{bmatrix} 1055 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 5, 6, 5) \\
L_{3338} &= \begin{bmatrix} 1055 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 5, 6, 5) \\
L_{3339} &= \begin{bmatrix} 1055 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 5, 6, 5) \\
L_{3340} &= \begin{bmatrix} 1055 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 5, 6, 5) \\
L_{3341} &= \begin{bmatrix} 1055 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 5, 7, 5) \\
L_{3342} &= \begin{bmatrix} 1055 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 5, 7, 5) \\
L_{3343} &= \begin{bmatrix} 1055 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 5, 7, 5) \\
L_{3344} &= \begin{bmatrix} 1055 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 5, 7, 5) \\
L_{3345} &= \begin{bmatrix} 1055 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 5, 7, 5) \\
L_{3346} &= \begin{bmatrix} 1055 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 5, 7, 5) \\
L_{3347} &= \begin{bmatrix} 1055 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 5, 7, 5) \\
L_{3348} &= \begin{bmatrix} 1055 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 5, 7, 5) \\
L_{3349} &= \begin{bmatrix} 1505 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 0, 0, 5) \\
L_{3350} &= \begin{bmatrix} 1505 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 5, 1, 5) \\
L_{3351} &= \begin{bmatrix} 1505 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 7, 2, 5) \\
L_{3352} &= \begin{bmatrix} 1505 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 2, 3, 5) \\
L_{3353} &= \begin{bmatrix} 1505 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 3, 4, 5) \\
L_{3354} &= \begin{bmatrix} 1505 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 6, 5, 5) \\
L_{3355} &= \begin{bmatrix} 1505 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 4, 6, 5) \\
L_{3356} &= \begin{bmatrix} 1505 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 1, 7, 5)
\end{aligned}$$

$$\begin{aligned}
L_{3357} &= \begin{bmatrix} 1550 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 5, 0, 5, 1, 0) \\
L_{3358} &= \begin{bmatrix} 1065 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 5, 0, 6) \\
L_{3359} &= \begin{bmatrix} 1065 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 5, 0, 6) \\
L_{3360} &= \begin{bmatrix} 1065 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 5, 0, 6) \\
L_{3361} &= \begin{bmatrix} 1065 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 5, 0, 6) \\
L_{3362} &= \begin{bmatrix} 1065 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 5, 0, 6) \\
L_{3363} &= \begin{bmatrix} 1065 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 5, 0, 6) \\
L_{3364} &= \begin{bmatrix} 1065 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 5, 0, 6) \\
L_{3365} &= \begin{bmatrix} 1065 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 5, 0, 6) \\
L_{3366} &= \begin{bmatrix} 1065 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 5, 1, 6) \\
L_{3367} &= \begin{bmatrix} 1065 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 5, 1, 6) \\
L_{3368} &= \begin{bmatrix} 1065 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 5, 1, 6) \\
L_{3369} &= \begin{bmatrix} 1065 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 5, 1, 6) \\
L_{3370} &= \begin{bmatrix} 1065 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 5, 1, 6) \\
L_{3371} &= \begin{bmatrix} 1065 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 5, 1, 6) \\
L_{3372} &= \begin{bmatrix} 1065 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 5, 1, 6) \\
L_{3373} &= \begin{bmatrix} 1065 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 5, 1, 6) \\
L_{3374} &= \begin{bmatrix} 1065 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 5, 2, 6) \\
L_{3375} &= \begin{bmatrix} 1065 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 5, 2, 6) \\
L_{3376} &= \begin{bmatrix} 1065 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 5, 2, 6) \\
L_{3377} &= \begin{bmatrix} 1065 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 5, 2, 6)
\end{aligned}$$

$$\begin{aligned}
L_{3378} &= \begin{bmatrix} 1065 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 5, 2, 6) \\
L_{3379} &= \begin{bmatrix} 1065 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 5, 2, 6) \\
L_{3380} &= \begin{bmatrix} 1065 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 5, 2, 6) \\
L_{3381} &= \begin{bmatrix} 1065 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 5, 2, 6) \\
L_{3382} &= \begin{bmatrix} 1065 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 5, 3, 6) \\
L_{3383} &= \begin{bmatrix} 1065 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 5, 3, 6) \\
L_{3384} &= \begin{bmatrix} 1065 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 5, 3, 6) \\
L_{3385} &= \begin{bmatrix} 1065 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 5, 3, 6) \\
L_{3386} &= \begin{bmatrix} 1065 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 5, 3, 6) \\
L_{3387} &= \begin{bmatrix} 1065 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 5, 3, 6) \\
L_{3388} &= \begin{bmatrix} 1065 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 5, 3, 6) \\
L_{3389} &= \begin{bmatrix} 1065 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 5, 3, 6) \\
L_{3390} &= \begin{bmatrix} 1065 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 5, 4, 6) \\
L_{3391} &= \begin{bmatrix} 1065 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 5, 4, 6) \\
L_{3392} &= \begin{bmatrix} 1065 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 5, 4, 6) \\
L_{3393} &= \begin{bmatrix} 1065 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 5, 4, 6) \\
L_{3394} &= \begin{bmatrix} 1065 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 5, 4, 6) \\
L_{3395} &= \begin{bmatrix} 1065 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 5, 4, 6) \\
L_{3396} &= \begin{bmatrix} 1065 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 5, 4, 6) \\
L_{3397} &= \begin{bmatrix} 1065 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 5, 4, 6) \\
L_{3398} &= \begin{bmatrix} 1065 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 5, 5, 6)
\end{aligned}$$

$$\begin{aligned}
L_{3399} &= \begin{bmatrix} 1065 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 5, 5, 6) \\
L_{3400} &= \begin{bmatrix} 1065 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 5, 5, 6) \\
L_{3401} &= \begin{bmatrix} 1065 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 5, 5, 6) \\
L_{3402} &= \begin{bmatrix} 1065 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 5, 5, 6) \\
L_{3403} &= \begin{bmatrix} 1065 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 5, 5, 6) \\
L_{3404} &= \begin{bmatrix} 1065 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 5, 5, 6) \\
L_{3405} &= \begin{bmatrix} 1065 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 5, 5, 6) \\
L_{3406} &= \begin{bmatrix} 1065 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 5, 6, 6) \\
L_{3407} &= \begin{bmatrix} 1065 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 5, 6, 6) \\
L_{3408} &= \begin{bmatrix} 1065 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 5, 6, 6) \\
L_{3409} &= \begin{bmatrix} 1065 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 5, 6, 6) \\
L_{3410} &= \begin{bmatrix} 1065 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 5, 6, 6) \\
L_{3411} &= \begin{bmatrix} 1065 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 5, 6, 6) \\
L_{3412} &= \begin{bmatrix} 1065 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 5, 6, 6) \\
L_{3413} &= \begin{bmatrix} 1065 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 5, 6, 6) \\
L_{3414} &= \begin{bmatrix} 1065 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 5, 7, 6) \\
L_{3415} &= \begin{bmatrix} 1065 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 5, 7, 6) \\
L_{3416} &= \begin{bmatrix} 1065 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 5, 7, 6) \\
L_{3417} &= \begin{bmatrix} 1065 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 5, 7, 6) \\
L_{3418} &= \begin{bmatrix} 1065 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 5, 7, 6) \\
L_{3419} &= \begin{bmatrix} 1065 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 5, 7, 6)
\end{aligned}$$

$$\begin{aligned}
L_{3420} &= \begin{bmatrix} 1065 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 5, 7, 6) \\
L_{3421} &= \begin{bmatrix} 1065 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 5, 7, 6) \\
L_{3422} &= \begin{bmatrix} 1605 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 0, 0, 6) \\
L_{3423} &= \begin{bmatrix} 1605 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 6, 1, 6) \\
L_{3424} &= \begin{bmatrix} 1605 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 1, 2, 6) \\
L_{3425} &= \begin{bmatrix} 1605 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 7, 3, 6) \\
L_{3426} &= \begin{bmatrix} 1605 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 2, 4, 6) \\
L_{3427} &= \begin{bmatrix} 1605 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 4, 5, 6) \\
L_{3428} &= \begin{bmatrix} 1605 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 3, 6, 6) \\
L_{3429} &= \begin{bmatrix} 1605 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 5, 7, 6) \\
L_{3430} &= \begin{bmatrix} 1650 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 5, 0, 6, 1, 0) \\
L_{3431} &= \begin{bmatrix} 1075 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 5, 0, 7) \\
L_{3432} &= \begin{bmatrix} 1075 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 5, 0, 7) \\
L_{3433} &= \begin{bmatrix} 1075 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 5, 0, 7) \\
L_{3434} &= \begin{bmatrix} 1075 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 5, 0, 7) \\
L_{3435} &= \begin{bmatrix} 1075 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 5, 0, 7) \\
L_{3436} &= \begin{bmatrix} 1075 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 5, 0, 7) \\
L_{3437} &= \begin{bmatrix} 1075 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 5, 0, 7) \\
L_{3438} &= \begin{bmatrix} 1075 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 5, 0, 7) \\
L_{3439} &= \begin{bmatrix} 1075 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 5, 1, 7) \\
L_{3440} &= \begin{bmatrix} 1075 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 5, 1, 7)
\end{aligned}$$



$$\begin{aligned}
L_{3441} &= \begin{bmatrix} 1075 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 5, 1, 7) \\
L_{3442} &= \begin{bmatrix} 1075 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 5, 1, 7) \\
L_{3443} &= \begin{bmatrix} 1075 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 5, 1, 7) \\
L_{3444} &= \begin{bmatrix} 1075 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 5, 1, 7) \\
L_{3445} &= \begin{bmatrix} 1075 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 5, 1, 7) \\
L_{3446} &= \begin{bmatrix} 1075 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 5, 1, 7) \\
L_{3447} &= \begin{bmatrix} 1075 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 5, 2, 7) \\
L_{3448} &= \begin{bmatrix} 1075 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 5, 2, 7) \\
L_{3449} &= \begin{bmatrix} 1075 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 5, 2, 7) \\
L_{3450} &= \begin{bmatrix} 1075 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 5, 2, 7) \\
L_{3451} &= \begin{bmatrix} 1075 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 5, 2, 7) \\
L_{3452} &= \begin{bmatrix} 1075 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 5, 2, 7) \\
L_{3453} &= \begin{bmatrix} 1075 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 5, 2, 7) \\
L_{3454} &= \begin{bmatrix} 1075 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 5, 2, 7) \\
L_{3455} &= \begin{bmatrix} 1075 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 5, 3, 7) \\
L_{3456} &= \begin{bmatrix} 1075 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 5, 3, 7) \\
L_{3457} &= \begin{bmatrix} 1075 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 5, 3, 7) \\
L_{3458} &= \begin{bmatrix} 1075 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 5, 3, 7) \\
L_{3459} &= \begin{bmatrix} 1075 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 5, 3, 7) \\
L_{3460} &= \begin{bmatrix} 1075 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 5, 3, 7) \\
L_{3461} &= \begin{bmatrix} 1075 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 5, 3, 7)
\end{aligned}$$

$$\begin{aligned}
L_{3462} &= \begin{bmatrix} 1075 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 5, 3, 7) \\
L_{3463} &= \begin{bmatrix} 1075 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 5, 4, 7) \\
L_{3464} &= \begin{bmatrix} 1075 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 5, 4, 7) \\
L_{3465} &= \begin{bmatrix} 1075 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 5, 4, 7) \\
L_{3466} &= \begin{bmatrix} 1075 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 5, 4, 7) \\
L_{3467} &= \begin{bmatrix} 1075 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 5, 4, 7) \\
L_{3468} &= \begin{bmatrix} 1075 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 5, 4, 7) \\
L_{3469} &= \begin{bmatrix} 1075 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 5, 4, 7) \\
L_{3470} &= \begin{bmatrix} 1075 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 5, 4, 7) \\
L_{3471} &= \begin{bmatrix} 1075 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 5, 5, 7) \\
L_{3472} &= \begin{bmatrix} 1075 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 5, 5, 7) \\
L_{3473} &= \begin{bmatrix} 1075 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 5, 5, 7) \\
L_{3474} &= \begin{bmatrix} 1075 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 5, 5, 7) \\
L_{3475} &= \begin{bmatrix} 1075 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 5, 5, 7) \\
L_{3476} &= \begin{bmatrix} 1075 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 5, 5, 7) \\
L_{3477} &= \begin{bmatrix} 1075 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 5, 5, 7) \\
L_{3478} &= \begin{bmatrix} 1075 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 5, 5, 7) \\
L_{3479} &= \begin{bmatrix} 1075 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 5, 6, 7) \\
L_{3480} &= \begin{bmatrix} 1075 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 5, 6, 7) \\
L_{3481} &= \begin{bmatrix} 1075 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 5, 6, 7) \\
L_{3482} &= \begin{bmatrix} 1075 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 5, 6, 7)
\end{aligned}$$

$$\begin{aligned}
L_{3483} &= \begin{bmatrix} 1075 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 5, 6, 7) \\
L_{3484} &= \begin{bmatrix} 1075 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 5, 6, 7) \\
L_{3485} &= \begin{bmatrix} 1075 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 5, 6, 7) \\
L_{3486} &= \begin{bmatrix} 1075 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 5, 6, 7) \\
L_{3487} &= \begin{bmatrix} 1075 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 5, 7, 7) \\
L_{3488} &= \begin{bmatrix} 1075 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 5, 7, 7) \\
L_{3489} &= \begin{bmatrix} 1075 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 5, 7, 7) \\
L_{3490} &= \begin{bmatrix} 1075 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 5, 7, 7) \\
L_{3491} &= \begin{bmatrix} 1075 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 5, 7, 7) \\
L_{3492} &= \begin{bmatrix} 1075 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 5, 7, 7) \\
L_{3493} &= \begin{bmatrix} 1075 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 5, 7, 7) \\
L_{3494} &= \begin{bmatrix} 1075 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 5, 7, 7) \\
L_{3495} &= \begin{bmatrix} 1705 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 0, 0, 7) \\
L_{3496} &= \begin{bmatrix} 1705 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 7, 1, 7) \\
L_{3497} &= \begin{bmatrix} 1705 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 3, 2, 7) \\
L_{3498} &= \begin{bmatrix} 1705 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 4, 3, 7) \\
L_{3499} &= \begin{bmatrix} 1705 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 6, 4, 7) \\
L_{3500} &= \begin{bmatrix} 1705 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 1, 5, 7) \\
L_{3501} &= \begin{bmatrix} 1705 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 5, 6, 7) \\
L_{3502} &= \begin{bmatrix} 1705 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 5, 1, 2, 7, 7) \\
L_{3503} &= \begin{bmatrix} 1750 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 5, 0, 7, 1, 0)
\end{aligned}$$

$$\begin{aligned}
L_{3504} &= \begin{bmatrix} 1006 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 6, 0, 0) \\
L_{3505} &= \begin{bmatrix} 1006 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 6, 0, 0) \\
L_{3506} &= \begin{bmatrix} 1006 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 6, 0, 0) \\
L_{3507} &= \begin{bmatrix} 1006 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 6, 0, 0) \\
L_{3508} &= \begin{bmatrix} 1006 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 6, 0, 0) \\
L_{3509} &= \begin{bmatrix} 1006 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 6, 0, 0) \\
L_{3510} &= \begin{bmatrix} 1006 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 6, 0, 0) \\
L_{3511} &= \begin{bmatrix} 1006 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 6, 0, 0) \\
L_{3512} &= \begin{bmatrix} 1006 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 6, 1, 0) \\
L_{3513} &= \begin{bmatrix} 1006 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 6, 1, 0) \\
L_{3514} &= \begin{bmatrix} 1006 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 6, 1, 0) \\
L_{3515} &= \begin{bmatrix} 1006 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 6, 1, 0) \\
L_{3516} &= \begin{bmatrix} 1006 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 6, 1, 0) \\
L_{3517} &= \begin{bmatrix} 1006 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 6, 1, 0) \\
L_{3518} &= \begin{bmatrix} 1006 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 6, 1, 0) \\
L_{3519} &= \begin{bmatrix} 1006 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 6, 1, 0) \\
L_{3520} &= \begin{bmatrix} 1006 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 6, 2, 0) \\
L_{3521} &= \begin{bmatrix} 1006 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 6, 2, 0) \\
L_{3522} &= \begin{bmatrix} 1006 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 6, 2, 0) \\
L_{3523} &= \begin{bmatrix} 1006 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 6, 2, 0) \\
L_{3524} &= \begin{bmatrix} 1006 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 6, 2, 0)
\end{aligned}$$

$$\begin{aligned}
L_{3525} &= \begin{bmatrix} 1006 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 6, 2, 0) \\
L_{3526} &= \begin{bmatrix} 1006 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 6, 2, 0) \\
L_{3527} &= \begin{bmatrix} 1006 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 6, 2, 0) \\
L_{3528} &= \begin{bmatrix} 1006 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 6, 3, 0) \\
L_{3529} &= \begin{bmatrix} 1006 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 6, 3, 0) \\
L_{3530} &= \begin{bmatrix} 1006 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 6, 3, 0) \\
L_{3531} &= \begin{bmatrix} 1006 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 6, 3, 0) \\
L_{3532} &= \begin{bmatrix} 1006 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 6, 3, 0) \\
L_{3533} &= \begin{bmatrix} 1006 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 6, 3, 0) \\
L_{3534} &= \begin{bmatrix} 1006 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 6, 3, 0) \\
L_{3535} &= \begin{bmatrix} 1006 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 6, 3, 0) \\
L_{3536} &= \begin{bmatrix} 1006 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 6, 4, 0) \\
L_{3537} &= \begin{bmatrix} 1006 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 6, 4, 0) \\
L_{3538} &= \begin{bmatrix} 1006 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 6, 4, 0) \\
L_{3539} &= \begin{bmatrix} 1006 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 6, 4, 0) \\
L_{3540} &= \begin{bmatrix} 1006 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 6, 4, 0) \\
L_{3541} &= \begin{bmatrix} 1006 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 6, 4, 0) \\
L_{3542} &= \begin{bmatrix} 1006 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 6, 4, 0) \\
L_{3543} &= \begin{bmatrix} 1006 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 6, 4, 0) \\
L_{3544} &= \begin{bmatrix} 1006 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 6, 5, 0) \\
L_{3545} &= \begin{bmatrix} 1006 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 6, 5, 0)
\end{aligned}$$

$$\begin{aligned}
L_{3546} &= \begin{bmatrix} 1006 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 6, 5, 0) \\
L_{3547} &= \begin{bmatrix} 1006 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 6, 5, 0) \\
L_{3548} &= \begin{bmatrix} 1006 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 6, 5, 0) \\
L_{3549} &= \begin{bmatrix} 1006 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 6, 5, 0) \\
L_{3550} &= \begin{bmatrix} 1006 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 6, 5, 0) \\
L_{3551} &= \begin{bmatrix} 1006 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 6, 5, 0) \\
L_{3552} &= \begin{bmatrix} 1006 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 6, 6, 0) \\
L_{3553} &= \begin{bmatrix} 1006 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 6, 6, 0) \\
L_{3554} &= \begin{bmatrix} 1006 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 6, 6, 0) \\
L_{3555} &= \begin{bmatrix} 1006 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 6, 6, 0) \\
L_{3556} &= \begin{bmatrix} 1006 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 6, 6, 0) \\
L_{3557} &= \begin{bmatrix} 1006 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 6, 6, 0) \\
L_{3558} &= \begin{bmatrix} 1006 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 6, 6, 0) \\
L_{3559} &= \begin{bmatrix} 1006 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 6, 6, 0) \\
L_{3560} &= \begin{bmatrix} 1006 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 6, 7, 0) \\
L_{3561} &= \begin{bmatrix} 1006 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 6, 7, 0) \\
L_{3562} &= \begin{bmatrix} 1006 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 6, 7, 0) \\
L_{3563} &= \begin{bmatrix} 1006 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 6, 7, 0) \\
L_{3564} &= \begin{bmatrix} 1006 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 6, 7, 0) \\
L_{3565} &= \begin{bmatrix} 1006 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 6, 7, 0) \\
L_{3566} &= \begin{bmatrix} 1006 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 6, 7, 0)
\end{aligned}$$

$$\begin{aligned}
L_{3567} &= \begin{bmatrix} 1006 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 6, 7, 0) \\
L_{3568} &= \begin{bmatrix} 1006 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 0, 0, 0) \\
L_{3569} &= \begin{bmatrix} 1006 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 0, 1, 0) \\
L_{3570} &= \begin{bmatrix} 1006 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 0, 2, 0) \\
L_{3571} &= \begin{bmatrix} 1006 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 0, 3, 0) \\
L_{3572} &= \begin{bmatrix} 1006 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 0, 4, 0) \\
L_{3573} &= \begin{bmatrix} 1006 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 0, 5, 0) \\
L_{3574} &= \begin{bmatrix} 1006 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 0, 6, 0) \\
L_{3575} &= \begin{bmatrix} 1006 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 0, 7, 0) \\
L_{3576} &= \begin{bmatrix} 1060 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 6, 0, 0, 1, 0) \\
L_{3577} &= \begin{bmatrix} 1016 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 6, 0, 1) \\
L_{3578} &= \begin{bmatrix} 1016 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 6, 0, 1) \\
L_{3579} &= \begin{bmatrix} 1016 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 6, 0, 1) \\
L_{3580} &= \begin{bmatrix} 1016 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 6, 0, 1) \\
L_{3581} &= \begin{bmatrix} 1016 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 6, 0, 1) \\
L_{3582} &= \begin{bmatrix} 1016 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 6, 0, 1) \\
L_{3583} &= \begin{bmatrix} 1016 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 6, 0, 1) \\
L_{3584} &= \begin{bmatrix} 1016 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 6, 0, 1) \\
L_{3585} &= \begin{bmatrix} 1016 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 6, 1, 1) \\
L_{3586} &= \begin{bmatrix} 1016 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 6, 1, 1) \\
L_{3587} &= \begin{bmatrix} 1016 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 6, 1, 1)
\end{aligned}$$

$$\begin{aligned}
L_{3588} &= \begin{bmatrix} 1016 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 6, 1, 1) \\
L_{3589} &= \begin{bmatrix} 1016 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 6, 1, 1) \\
L_{3590} &= \begin{bmatrix} 1016 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 6, 1, 1) \\
L_{3591} &= \begin{bmatrix} 1016 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 6, 1, 1) \\
L_{3592} &= \begin{bmatrix} 1016 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 6, 1, 1) \\
L_{3593} &= \begin{bmatrix} 1016 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 6, 2, 1) \\
L_{3594} &= \begin{bmatrix} 1016 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 6, 2, 1) \\
L_{3595} &= \begin{bmatrix} 1016 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 6, 2, 1) \\
L_{3596} &= \begin{bmatrix} 1016 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 6, 2, 1) \\
L_{3597} &= \begin{bmatrix} 1016 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 6, 2, 1) \\
L_{3598} &= \begin{bmatrix} 1016 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 6, 2, 1) \\
L_{3599} &= \begin{bmatrix} 1016 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 6, 2, 1) \\
L_{3600} &= \begin{bmatrix} 1016 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 6, 2, 1) \\
L_{3601} &= \begin{bmatrix} 1016 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 6, 3, 1) \\
L_{3602} &= \begin{bmatrix} 1016 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 6, 3, 1) \\
L_{3603} &= \begin{bmatrix} 1016 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 6, 3, 1) \\
L_{3604} &= \begin{bmatrix} 1016 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 6, 3, 1) \\
L_{3605} &= \begin{bmatrix} 1016 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 6, 3, 1) \\
L_{3606} &= \begin{bmatrix} 1016 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 6, 3, 1) \\
L_{3607} &= \begin{bmatrix} 1016 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 6, 3, 1) \\
L_{3608} &= \begin{bmatrix} 1016 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 6, 3, 1)
\end{aligned}$$



$$\begin{aligned}
L_{3609} &= \begin{bmatrix} 1016 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 6, 4, 1) \\
L_{3610} &= \begin{bmatrix} 1016 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 6, 4, 1) \\
L_{3611} &= \begin{bmatrix} 1016 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 6, 4, 1) \\
L_{3612} &= \begin{bmatrix} 1016 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 6, 4, 1) \\
L_{3613} &= \begin{bmatrix} 1016 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 6, 4, 1) \\
L_{3614} &= \begin{bmatrix} 1016 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 6, 4, 1) \\
L_{3615} &= \begin{bmatrix} 1016 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 6, 4, 1) \\
L_{3616} &= \begin{bmatrix} 1016 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 6, 4, 1) \\
L_{3617} &= \begin{bmatrix} 1016 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 6, 5, 1) \\
L_{3618} &= \begin{bmatrix} 1016 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 6, 5, 1) \\
L_{3619} &= \begin{bmatrix} 1016 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 6, 5, 1) \\
L_{3620} &= \begin{bmatrix} 1016 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 6, 5, 1) \\
L_{3621} &= \begin{bmatrix} 1016 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 6, 5, 1) \\
L_{3622} &= \begin{bmatrix} 1016 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 6, 5, 1) \\
L_{3623} &= \begin{bmatrix} 1016 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 6, 5, 1) \\
L_{3624} &= \begin{bmatrix} 1016 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 6, 5, 1) \\
L_{3625} &= \begin{bmatrix} 1016 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 6, 6, 1) \\
L_{3626} &= \begin{bmatrix} 1016 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 6, 6, 1) \\
L_{3627} &= \begin{bmatrix} 1016 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 6, 6, 1) \\
L_{3628} &= \begin{bmatrix} 1016 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 6, 6, 1) \\
L_{3629} &= \begin{bmatrix} 1016 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 6, 6, 1)
\end{aligned}$$

$$\begin{aligned}
L_{3630} &= \begin{bmatrix} 1016 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 6, 6, 1) \\
L_{3631} &= \begin{bmatrix} 1016 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 6, 6, 1) \\
L_{3632} &= \begin{bmatrix} 1016 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 6, 6, 1) \\
L_{3633} &= \begin{bmatrix} 1016 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 6, 7, 1) \\
L_{3634} &= \begin{bmatrix} 1016 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 6, 7, 1) \\
L_{3635} &= \begin{bmatrix} 1016 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 6, 7, 1) \\
L_{3636} &= \begin{bmatrix} 1016 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 6, 7, 1) \\
L_{3637} &= \begin{bmatrix} 1016 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 6, 7, 1) \\
L_{3638} &= \begin{bmatrix} 1016 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 6, 7, 1) \\
L_{3639} &= \begin{bmatrix} 1016 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 6, 7, 1) \\
L_{3640} &= \begin{bmatrix} 1016 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 6, 7, 1) \\
L_{3641} &= \begin{bmatrix} 1106 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 0, 0, 1) \\
L_{3642} &= \begin{bmatrix} 1106 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 1, 1, 1) \\
L_{3643} &= \begin{bmatrix} 1106 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 2, 2, 1) \\
L_{3644} &= \begin{bmatrix} 1106 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 3, 3, 1) \\
L_{3645} &= \begin{bmatrix} 1106 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 4, 4, 1) \\
L_{3646} &= \begin{bmatrix} 1106 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 5, 5, 1) \\
L_{3647} &= \begin{bmatrix} 1106 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 6, 6, 1) \\
L_{3648} &= \begin{bmatrix} 1106 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 7, 7, 1) \\
L_{3649} &= \begin{bmatrix} 1160 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 6, 0, 1, 1, 0) \\
L_{3650} &= \begin{bmatrix} 1026 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 6, 0, 2)
\end{aligned}$$

$$\begin{aligned}
L_{3651} &= \begin{bmatrix} 1026 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 6, 0, 2) \\
L_{3652} &= \begin{bmatrix} 1026 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 6, 0, 2) \\
L_{3653} &= \begin{bmatrix} 1026 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 6, 0, 2) \\
L_{3654} &= \begin{bmatrix} 1026 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 6, 0, 2) \\
L_{3655} &= \begin{bmatrix} 1026 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 6, 0, 2) \\
L_{3656} &= \begin{bmatrix} 1026 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 6, 0, 2) \\
L_{3657} &= \begin{bmatrix} 1026 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 6, 0, 2) \\
L_{3658} &= \begin{bmatrix} 1026 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 6, 1, 2) \\
L_{3659} &= \begin{bmatrix} 1026 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 6, 1, 2) \\
L_{3660} &= \begin{bmatrix} 1026 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 6, 1, 2) \\
L_{3661} &= \begin{bmatrix} 1026 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 6, 1, 2) \\
L_{3662} &= \begin{bmatrix} 1026 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 6, 1, 2) \\
L_{3663} &= \begin{bmatrix} 1026 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 6, 1, 2) \\
L_{3664} &= \begin{bmatrix} 1026 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 6, 1, 2) \\
L_{3665} &= \begin{bmatrix} 1026 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 6, 1, 2) \\
L_{3666} &= \begin{bmatrix} 1026 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 6, 2, 2) \\
L_{3667} &= \begin{bmatrix} 1026 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 6, 2, 2) \\
L_{3668} &= \begin{bmatrix} 1026 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 6, 2, 2) \\
L_{3669} &= \begin{bmatrix} 1026 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 6, 2, 2) \\
L_{3670} &= \begin{bmatrix} 1026 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 6, 2, 2) \\
L_{3671} &= \begin{bmatrix} 1026 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 6, 2, 2)
\end{aligned}$$

$$\begin{aligned}
L_{3672} &= \begin{bmatrix} 1026 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 6, 2, 2) \\
L_{3673} &= \begin{bmatrix} 1026 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 6, 2, 2) \\
L_{3674} &= \begin{bmatrix} 1026 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 6, 3, 2) \\
L_{3675} &= \begin{bmatrix} 1026 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 6, 3, 2) \\
L_{3676} &= \begin{bmatrix} 1026 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 6, 3, 2) \\
L_{3677} &= \begin{bmatrix} 1026 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 6, 3, 2) \\
L_{3678} &= \begin{bmatrix} 1026 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 6, 3, 2) \\
L_{3679} &= \begin{bmatrix} 1026 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 6, 3, 2) \\
L_{3680} &= \begin{bmatrix} 1026 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 6, 3, 2) \\
L_{3681} &= \begin{bmatrix} 1026 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 6, 3, 2) \\
L_{3682} &= \begin{bmatrix} 1026 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 6, 4, 2) \\
L_{3683} &= \begin{bmatrix} 1026 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 6, 4, 2) \\
L_{3684} &= \begin{bmatrix} 1026 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 6, 4, 2) \\
L_{3685} &= \begin{bmatrix} 1026 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 6, 4, 2) \\
L_{3686} &= \begin{bmatrix} 1026 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 6, 4, 2) \\
L_{3687} &= \begin{bmatrix} 1026 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 6, 4, 2) \\
L_{3688} &= \begin{bmatrix} 1026 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 6, 4, 2) \\
L_{3689} &= \begin{bmatrix} 1026 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 6, 4, 2) \\
L_{3690} &= \begin{bmatrix} 1026 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 6, 5, 2) \\
L_{3691} &= \begin{bmatrix} 1026 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 6, 5, 2) \\
L_{3692} &= \begin{bmatrix} 1026 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 6, 5, 2)
\end{aligned}$$

$$\begin{aligned}
L_{3693} &= \begin{bmatrix} 1026 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 6, 5, 2) \\
L_{3694} &= \begin{bmatrix} 1026 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 6, 5, 2) \\
L_{3695} &= \begin{bmatrix} 1026 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 6, 5, 2) \\
L_{3696} &= \begin{bmatrix} 1026 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 6, 5, 2) \\
L_{3697} &= \begin{bmatrix} 1026 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 6, 5, 2) \\
L_{3698} &= \begin{bmatrix} 1026 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 6, 6, 2) \\
L_{3699} &= \begin{bmatrix} 1026 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 6, 6, 2) \\
L_{3700} &= \begin{bmatrix} 1026 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 6, 6, 2) \\
L_{3701} &= \begin{bmatrix} 1026 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 6, 6, 2) \\
L_{3702} &= \begin{bmatrix} 1026 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 6, 6, 2) \\
L_{3703} &= \begin{bmatrix} 1026 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 6, 6, 2) \\
L_{3704} &= \begin{bmatrix} 1026 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 6, 6, 2) \\
L_{3705} &= \begin{bmatrix} 1026 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 6, 6, 2) \\
L_{3706} &= \begin{bmatrix} 1026 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 6, 7, 2) \\
L_{3707} &= \begin{bmatrix} 1026 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 6, 7, 2) \\
L_{3708} &= \begin{bmatrix} 1026 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 6, 7, 2) \\
L_{3709} &= \begin{bmatrix} 1026 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 6, 7, 2) \\
L_{3710} &= \begin{bmatrix} 1026 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 6, 7, 2) \\
L_{3711} &= \begin{bmatrix} 1026 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 6, 7, 2) \\
L_{3712} &= \begin{bmatrix} 1026 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 6, 7, 2) \\
L_{3713} &= \begin{bmatrix} 1026 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 6, 7, 2)
\end{aligned}$$

$$\begin{aligned}
L_{3714} &= \begin{bmatrix} 1206 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 0, 0, 2) \\
L_{3715} &= \begin{bmatrix} 1206 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 2, 1, 2) \\
L_{3716} &= \begin{bmatrix} 1206 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 4, 2, 2) \\
L_{3717} &= \begin{bmatrix} 1206 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 6, 3, 2) \\
L_{3718} &= \begin{bmatrix} 1206 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 5, 4, 2) \\
L_{3719} &= \begin{bmatrix} 1206 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 7, 5, 2) \\
L_{3720} &= \begin{bmatrix} 1206 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 1, 6, 2) \\
L_{3721} &= \begin{bmatrix} 1206 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 3, 7, 2) \\
L_{3722} &= \begin{bmatrix} 1260 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 6, 0, 2, 1, 0) \\
L_{3723} &= \begin{bmatrix} 1036 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 6, 0, 3) \\
L_{3724} &= \begin{bmatrix} 1036 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 6, 0, 3) \\
L_{3725} &= \begin{bmatrix} 1036 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 6, 0, 3) \\
L_{3726} &= \begin{bmatrix} 1036 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 6, 0, 3) \\
L_{3727} &= \begin{bmatrix} 1036 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 6, 0, 3) \\
L_{3728} &= \begin{bmatrix} 1036 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 6, 0, 3) \\
L_{3729} &= \begin{bmatrix} 1036 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 6, 0, 3) \\
L_{3730} &= \begin{bmatrix} 1036 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 6, 0, 3) \\
L_{3731} &= \begin{bmatrix} 1036 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 6, 1, 3) \\
L_{3732} &= \begin{bmatrix} 1036 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 6, 1, 3) \\
L_{3733} &= \begin{bmatrix} 1036 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 6, 1, 3) \\
L_{3734} &= \begin{bmatrix} 1036 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 6, 1, 3)
\end{aligned}$$

$$\begin{aligned}
L_{3735} &= \begin{bmatrix} 1036 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 6, 1, 3) \\
L_{3736} &= \begin{bmatrix} 1036 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 6, 1, 3) \\
L_{3737} &= \begin{bmatrix} 1036 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 6, 1, 3) \\
L_{3738} &= \begin{bmatrix} 1036 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 6, 1, 3) \\
L_{3739} &= \begin{bmatrix} 1036 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 6, 2, 3) \\
L_{3740} &= \begin{bmatrix} 1036 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 6, 2, 3) \\
L_{3741} &= \begin{bmatrix} 1036 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 6, 2, 3) \\
L_{3742} &= \begin{bmatrix} 1036 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 6, 2, 3) \\
L_{3743} &= \begin{bmatrix} 1036 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 6, 2, 3) \\
L_{3744} &= \begin{bmatrix} 1036 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 6, 2, 3) \\
L_{3745} &= \begin{bmatrix} 1036 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 6, 2, 3) \\
L_{3746} &= \begin{bmatrix} 1036 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 6, 2, 3) \\
L_{3747} &= \begin{bmatrix} 1036 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 6, 3, 3) \\
L_{3748} &= \begin{bmatrix} 1036 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 6, 3, 3) \\
L_{3749} &= \begin{bmatrix} 1036 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 6, 3, 3) \\
L_{3750} &= \begin{bmatrix} 1036 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 6, 3, 3) \\
L_{3751} &= \begin{bmatrix} 1036 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 6, 3, 3) \\
L_{3752} &= \begin{bmatrix} 1036 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 6, 3, 3) \\
L_{3753} &= \begin{bmatrix} 1036 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 6, 3, 3) \\
L_{3754} &= \begin{bmatrix} 1036 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 6, 3, 3) \\
L_{3755} &= \begin{bmatrix} 1036 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 6, 4, 3)
\end{aligned}$$

$$\begin{aligned}
L_{3756} &= \begin{bmatrix} 1036 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 6, 4, 3) \\
L_{3757} &= \begin{bmatrix} 1036 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 6, 4, 3) \\
L_{3758} &= \begin{bmatrix} 1036 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 6, 4, 3) \\
L_{3759} &= \begin{bmatrix} 1036 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 6, 4, 3) \\
L_{3760} &= \begin{bmatrix} 1036 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 6, 4, 3) \\
L_{3761} &= \begin{bmatrix} 1036 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 6, 4, 3) \\
L_{3762} &= \begin{bmatrix} 1036 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 6, 4, 3) \\
L_{3763} &= \begin{bmatrix} 1036 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 6, 5, 3) \\
L_{3764} &= \begin{bmatrix} 1036 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 6, 5, 3) \\
L_{3765} &= \begin{bmatrix} 1036 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 6, 5, 3) \\
L_{3766} &= \begin{bmatrix} 1036 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 6, 5, 3) \\
L_{3767} &= \begin{bmatrix} 1036 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 6, 5, 3) \\
L_{3768} &= \begin{bmatrix} 1036 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 6, 5, 3) \\
L_{3769} &= \begin{bmatrix} 1036 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 6, 5, 3) \\
L_{3770} &= \begin{bmatrix} 1036 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 6, 5, 3) \\
L_{3771} &= \begin{bmatrix} 1036 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 6, 6, 3) \\
L_{3772} &= \begin{bmatrix} 1036 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 6, 6, 3) \\
L_{3773} &= \begin{bmatrix} 1036 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 6, 6, 3) \\
L_{3774} &= \begin{bmatrix} 1036 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 6, 6, 3) \\
L_{3775} &= \begin{bmatrix} 1036 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 6, 6, 3) \\
L_{3776} &= \begin{bmatrix} 1036 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 6, 6, 3)
\end{aligned}$$



$$\begin{aligned}
L_{3777} &= \begin{bmatrix} 1036 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 6, 6, 3) \\
L_{3778} &= \begin{bmatrix} 1036 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 6, 6, 3) \\
L_{3779} &= \begin{bmatrix} 1036 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 6, 7, 3) \\
L_{3780} &= \begin{bmatrix} 1036 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 6, 7, 3) \\
L_{3781} &= \begin{bmatrix} 1036 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 6, 7, 3) \\
L_{3782} &= \begin{bmatrix} 1036 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 6, 7, 3) \\
L_{3783} &= \begin{bmatrix} 1036 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 6, 7, 3) \\
L_{3784} &= \begin{bmatrix} 1036 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 6, 7, 3) \\
L_{3785} &= \begin{bmatrix} 1036 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 6, 7, 3) \\
L_{3786} &= \begin{bmatrix} 1036 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 6, 7, 3) \\
L_{3787} &= \begin{bmatrix} 1306 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 0, 0, 3) \\
L_{3788} &= \begin{bmatrix} 1306 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 3, 1, 3) \\
L_{3789} &= \begin{bmatrix} 1306 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 6, 2, 3) \\
L_{3790} &= \begin{bmatrix} 1306 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 5, 3, 3) \\
L_{3791} &= \begin{bmatrix} 1306 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 1, 4, 3) \\
L_{3792} &= \begin{bmatrix} 1306 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 2, 5, 3) \\
L_{3793} &= \begin{bmatrix} 1306 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 7, 6, 3) \\
L_{3794} &= \begin{bmatrix} 1306 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 4, 7, 3) \\
L_{3795} &= \begin{bmatrix} 1360 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 6, 0, 3, 1, 0) \\
L_{3796} &= \begin{bmatrix} 1046 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 6, 0, 4) \\
L_{3797} &= \begin{bmatrix} 1046 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 6, 0, 4)
\end{aligned}$$

$$\begin{aligned}
L_{3798} &= \begin{bmatrix} 1046 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 6, 0, 4) \\
L_{3799} &= \begin{bmatrix} 1046 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 6, 0, 4) \\
L_{3800} &= \begin{bmatrix} 1046 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 6, 0, 4) \\
L_{3801} &= \begin{bmatrix} 1046 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 6, 0, 4) \\
L_{3802} &= \begin{bmatrix} 1046 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 6, 0, 4) \\
L_{3803} &= \begin{bmatrix} 1046 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 6, 0, 4) \\
L_{3804} &= \begin{bmatrix} 1046 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 6, 1, 4) \\
L_{3805} &= \begin{bmatrix} 1046 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 6, 1, 4) \\
L_{3806} &= \begin{bmatrix} 1046 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 6, 1, 4) \\
L_{3807} &= \begin{bmatrix} 1046 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 6, 1, 4) \\
L_{3808} &= \begin{bmatrix} 1046 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 6, 1, 4) \\
L_{3809} &= \begin{bmatrix} 1046 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 6, 1, 4) \\
L_{3810} &= \begin{bmatrix} 1046 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 6, 1, 4) \\
L_{3811} &= \begin{bmatrix} 1046 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 6, 1, 4) \\
L_{3812} &= \begin{bmatrix} 1046 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 6, 2, 4) \\
L_{3813} &= \begin{bmatrix} 1046 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 6, 2, 4) \\
L_{3814} &= \begin{bmatrix} 1046 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 6, 2, 4) \\
L_{3815} &= \begin{bmatrix} 1046 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 6, 2, 4) \\
L_{3816} &= \begin{bmatrix} 1046 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 6, 2, 4) \\
L_{3817} &= \begin{bmatrix} 1046 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 6, 2, 4) \\
L_{3818} &= \begin{bmatrix} 1046 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 6, 2, 4)
\end{aligned}$$

$$\begin{aligned}
L_{3819} &= \begin{bmatrix} 1046 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 6, 2, 4) \\
L_{3820} &= \begin{bmatrix} 1046 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 6, 3, 4) \\
L_{3821} &= \begin{bmatrix} 1046 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 6, 3, 4) \\
L_{3822} &= \begin{bmatrix} 1046 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 6, 3, 4) \\
L_{3823} &= \begin{bmatrix} 1046 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 6, 3, 4) \\
L_{3824} &= \begin{bmatrix} 1046 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 6, 3, 4) \\
L_{3825} &= \begin{bmatrix} 1046 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 6, 3, 4) \\
L_{3826} &= \begin{bmatrix} 1046 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 6, 3, 4) \\
L_{3827} &= \begin{bmatrix} 1046 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 6, 3, 4) \\
L_{3828} &= \begin{bmatrix} 1046 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 6, 4, 4) \\
L_{3829} &= \begin{bmatrix} 1046 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 6, 4, 4) \\
L_{3830} &= \begin{bmatrix} 1046 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 6, 4, 4) \\
L_{3831} &= \begin{bmatrix} 1046 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 6, 4, 4) \\
L_{3832} &= \begin{bmatrix} 1046 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 6, 4, 4) \\
L_{3833} &= \begin{bmatrix} 1046 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 6, 4, 4) \\
L_{3834} &= \begin{bmatrix} 1046 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 6, 4, 4) \\
L_{3835} &= \begin{bmatrix} 1046 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 6, 4, 4) \\
L_{3836} &= \begin{bmatrix} 1046 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 6, 5, 4) \\
L_{3837} &= \begin{bmatrix} 1046 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 6, 5, 4) \\
L_{3838} &= \begin{bmatrix} 1046 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 6, 5, 4) \\
L_{3839} &= \begin{bmatrix} 1046 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 6, 5, 4)
\end{aligned}$$

$$\begin{aligned}
L_{3840} &= \begin{bmatrix} 1046 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 6, 5, 4) \\
L_{3841} &= \begin{bmatrix} 1046 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 6, 5, 4) \\
L_{3842} &= \begin{bmatrix} 1046 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 6, 5, 4) \\
L_{3843} &= \begin{bmatrix} 1046 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 6, 5, 4) \\
L_{3844} &= \begin{bmatrix} 1046 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 6, 6, 4) \\
L_{3845} &= \begin{bmatrix} 1046 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 6, 6, 4) \\
L_{3846} &= \begin{bmatrix} 1046 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 6, 6, 4) \\
L_{3847} &= \begin{bmatrix} 1046 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 6, 6, 4) \\
L_{3848} &= \begin{bmatrix} 1046 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 6, 6, 4) \\
L_{3849} &= \begin{bmatrix} 1046 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 6, 6, 4) \\
L_{3850} &= \begin{bmatrix} 1046 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 6, 6, 4) \\
L_{3851} &= \begin{bmatrix} 1046 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 6, 6, 4) \\
L_{3852} &= \begin{bmatrix} 1046 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 6, 7, 4) \\
L_{3853} &= \begin{bmatrix} 1046 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 6, 7, 4) \\
L_{3854} &= \begin{bmatrix} 1046 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 6, 7, 4) \\
L_{3855} &= \begin{bmatrix} 1046 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 6, 7, 4) \\
L_{3856} &= \begin{bmatrix} 1046 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 6, 7, 4) \\
L_{3857} &= \begin{bmatrix} 1046 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 6, 7, 4) \\
L_{3858} &= \begin{bmatrix} 1046 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 6, 7, 4) \\
L_{3859} &= \begin{bmatrix} 1046 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 6, 7, 4) \\
L_{3860} &= \begin{bmatrix} 1406 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 0, 0, 4)
\end{aligned}$$

$$\begin{aligned}
L_{3861} &= \begin{bmatrix} 1406 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 4, 1, 4) \\
L_{3862} &= \begin{bmatrix} 1406 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 5, 2, 4) \\
L_{3863} &= \begin{bmatrix} 1406 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 1, 3, 4) \\
L_{3864} &= \begin{bmatrix} 1406 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 7, 4, 4) \\
L_{3865} &= \begin{bmatrix} 1406 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 3, 5, 4) \\
L_{3866} &= \begin{bmatrix} 1406 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 2, 6, 4) \\
L_{3867} &= \begin{bmatrix} 1406 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 6, 7, 4) \\
L_{3868} &= \begin{bmatrix} 1460 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 6, 0, 4, 1, 0) \\
L_{3869} &= \begin{bmatrix} 1056 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 6, 0, 5) \\
L_{3870} &= \begin{bmatrix} 1056 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 6, 0, 5) \\
L_{3871} &= \begin{bmatrix} 1056 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 6, 0, 5) \\
L_{3872} &= \begin{bmatrix} 1056 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 6, 0, 5) \\
L_{3873} &= \begin{bmatrix} 1056 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 6, 0, 5) \\
L_{3874} &= \begin{bmatrix} 1056 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 6, 0, 5) \\
L_{3875} &= \begin{bmatrix} 1056 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 6, 0, 5) \\
L_{3876} &= \begin{bmatrix} 1056 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 6, 0, 5) \\
L_{3877} &= \begin{bmatrix} 1056 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 6, 1, 5) \\
L_{3878} &= \begin{bmatrix} 1056 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 6, 1, 5) \\
L_{3879} &= \begin{bmatrix} 1056 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 6, 1, 5) \\
L_{3880} &= \begin{bmatrix} 1056 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 6, 1, 5) \\
L_{3881} &= \begin{bmatrix} 1056 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 6, 1, 5)
\end{aligned}$$

$$\begin{aligned}
L_{3882} &= \begin{bmatrix} 1056 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 6, 1, 5) \\
L_{3883} &= \begin{bmatrix} 1056 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 6, 1, 5) \\
L_{3884} &= \begin{bmatrix} 1056 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 6, 1, 5) \\
L_{3885} &= \begin{bmatrix} 1056 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 6, 2, 5) \\
L_{3886} &= \begin{bmatrix} 1056 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 6, 2, 5) \\
L_{3887} &= \begin{bmatrix} 1056 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 6, 2, 5) \\
L_{3888} &= \begin{bmatrix} 1056 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 6, 2, 5) \\
L_{3889} &= \begin{bmatrix} 1056 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 6, 2, 5) \\
L_{3890} &= \begin{bmatrix} 1056 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 6, 2, 5) \\
L_{3891} &= \begin{bmatrix} 1056 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 6, 2, 5) \\
L_{3892} &= \begin{bmatrix} 1056 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 6, 2, 5) \\
L_{3893} &= \begin{bmatrix} 1056 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 6, 3, 5) \\
L_{3894} &= \begin{bmatrix} 1056 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 6, 3, 5) \\
L_{3895} &= \begin{bmatrix} 1056 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 6, 3, 5) \\
L_{3896} &= \begin{bmatrix} 1056 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 6, 3, 5) \\
L_{3897} &= \begin{bmatrix} 1056 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 6, 3, 5) \\
L_{3898} &= \begin{bmatrix} 1056 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 6, 3, 5) \\
L_{3899} &= \begin{bmatrix} 1056 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 6, 3, 5) \\
L_{3900} &= \begin{bmatrix} 1056 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 6, 3, 5) \\
L_{3901} &= \begin{bmatrix} 1056 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 6, 4, 5) \\
L_{3902} &= \begin{bmatrix} 1056 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 6, 4, 5)
\end{aligned}$$

$$\begin{aligned}
L_{3903} &= \begin{bmatrix} 1056 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 6, 4, 5) \\
L_{3904} &= \begin{bmatrix} 1056 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 6, 4, 5) \\
L_{3905} &= \begin{bmatrix} 1056 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 6, 4, 5) \\
L_{3906} &= \begin{bmatrix} 1056 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 6, 4, 5) \\
L_{3907} &= \begin{bmatrix} 1056 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 6, 4, 5) \\
L_{3908} &= \begin{bmatrix} 1056 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 6, 4, 5) \\
L_{3909} &= \begin{bmatrix} 1056 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 6, 5, 5) \\
L_{3910} &= \begin{bmatrix} 1056 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 6, 5, 5) \\
L_{3911} &= \begin{bmatrix} 1056 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 6, 5, 5) \\
L_{3912} &= \begin{bmatrix} 1056 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 6, 5, 5) \\
L_{3913} &= \begin{bmatrix} 1056 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 6, 5, 5) \\
L_{3914} &= \begin{bmatrix} 1056 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 6, 5, 5) \\
L_{3915} &= \begin{bmatrix} 1056 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 6, 5, 5) \\
L_{3916} &= \begin{bmatrix} 1056 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 6, 5, 5) \\
L_{3917} &= \begin{bmatrix} 1056 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 6, 6, 5) \\
L_{3918} &= \begin{bmatrix} 1056 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 6, 6, 5) \\
L_{3919} &= \begin{bmatrix} 1056 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 6, 6, 5) \\
L_{3920} &= \begin{bmatrix} 1056 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 6, 6, 5) \\
L_{3921} &= \begin{bmatrix} 1056 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 6, 6, 5) \\
L_{3922} &= \begin{bmatrix} 1056 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 6, 6, 5) \\
L_{3923} &= \begin{bmatrix} 1056 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 6, 6, 5)
\end{aligned}$$

$$\begin{aligned}
L_{3924} &= \begin{bmatrix} 1056 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 6, 6, 5) \\
L_{3925} &= \begin{bmatrix} 1056 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 6, 7, 5) \\
L_{3926} &= \begin{bmatrix} 1056 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 6, 7, 5) \\
L_{3927} &= \begin{bmatrix} 1056 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 6, 7, 5) \\
L_{3928} &= \begin{bmatrix} 1056 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 6, 7, 5) \\
L_{3929} &= \begin{bmatrix} 1056 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 6, 7, 5) \\
L_{3930} &= \begin{bmatrix} 1056 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 6, 7, 5) \\
L_{3931} &= \begin{bmatrix} 1056 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 6, 7, 5) \\
L_{3932} &= \begin{bmatrix} 1056 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 6, 7, 5) \\
L_{3933} &= \begin{bmatrix} 1506 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 0, 0, 5) \\
L_{3934} &= \begin{bmatrix} 1506 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 5, 1, 5) \\
L_{3935} &= \begin{bmatrix} 1506 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 7, 2, 5) \\
L_{3936} &= \begin{bmatrix} 1506 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 2, 3, 5) \\
L_{3937} &= \begin{bmatrix} 1506 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 3, 4, 5) \\
L_{3938} &= \begin{bmatrix} 1506 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 6, 5, 5) \\
L_{3939} &= \begin{bmatrix} 1506 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 4, 6, 5) \\
L_{3940} &= \begin{bmatrix} 1506 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 1, 7, 5) \\
L_{3941} &= \begin{bmatrix} 1560 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 6, 0, 5, 1, 0) \\
L_{3942} &= \begin{bmatrix} 1066 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 6, 0, 6) \\
L_{3943} &= \begin{bmatrix} 1066 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 6, 0, 6) \\
L_{3944} &= \begin{bmatrix} 1066 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 6, 0, 6)
\end{aligned}$$



$$\begin{aligned}
L_{3945} &= \begin{bmatrix} 1066 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 6, 0, 6) \\
L_{3946} &= \begin{bmatrix} 1066 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 6, 0, 6) \\
L_{3947} &= \begin{bmatrix} 1066 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 6, 0, 6) \\
L_{3948} &= \begin{bmatrix} 1066 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 6, 0, 6) \\
L_{3949} &= \begin{bmatrix} 1066 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 6, 0, 6) \\
L_{3950} &= \begin{bmatrix} 1066 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 6, 1, 6) \\
L_{3951} &= \begin{bmatrix} 1066 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 6, 1, 6) \\
L_{3952} &= \begin{bmatrix} 1066 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 6, 1, 6) \\
L_{3953} &= \begin{bmatrix} 1066 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 6, 1, 6) \\
L_{3954} &= \begin{bmatrix} 1066 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 6, 1, 6) \\
L_{3955} &= \begin{bmatrix} 1066 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 6, 1, 6) \\
L_{3956} &= \begin{bmatrix} 1066 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 6, 1, 6) \\
L_{3957} &= \begin{bmatrix} 1066 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 6, 1, 6) \\
L_{3958} &= \begin{bmatrix} 1066 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 6, 2, 6) \\
L_{3959} &= \begin{bmatrix} 1066 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 6, 2, 6) \\
L_{3960} &= \begin{bmatrix} 1066 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 6, 2, 6) \\
L_{3961} &= \begin{bmatrix} 1066 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 6, 2, 6) \\
L_{3962} &= \begin{bmatrix} 1066 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 6, 2, 6) \\
L_{3963} &= \begin{bmatrix} 1066 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 6, 2, 6) \\
L_{3964} &= \begin{bmatrix} 1066 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 6, 2, 6) \\
L_{3965} &= \begin{bmatrix} 1066 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 6, 2, 6)
\end{aligned}$$

$$\begin{aligned}
L_{3966} &= \begin{bmatrix} 1066 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 6, 3, 6) \\
L_{3967} &= \begin{bmatrix} 1066 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 6, 3, 6) \\
L_{3968} &= \begin{bmatrix} 1066 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 6, 3, 6) \\
L_{3969} &= \begin{bmatrix} 1066 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 6, 3, 6) \\
L_{3970} &= \begin{bmatrix} 1066 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 6, 3, 6) \\
L_{3971} &= \begin{bmatrix} 1066 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 6, 3, 6) \\
L_{3972} &= \begin{bmatrix} 1066 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 6, 3, 6) \\
L_{3973} &= \begin{bmatrix} 1066 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 6, 3, 6) \\
L_{3974} &= \begin{bmatrix} 1066 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 6, 4, 6) \\
L_{3975} &= \begin{bmatrix} 1066 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 6, 4, 6) \\
L_{3976} &= \begin{bmatrix} 1066 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 6, 4, 6) \\
L_{3977} &= \begin{bmatrix} 1066 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 6, 4, 6) \\
L_{3978} &= \begin{bmatrix} 1066 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 6, 4, 6) \\
L_{3979} &= \begin{bmatrix} 1066 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 6, 4, 6) \\
L_{3980} &= \begin{bmatrix} 1066 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 6, 4, 6) \\
L_{3981} &= \begin{bmatrix} 1066 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 6, 4, 6) \\
L_{3982} &= \begin{bmatrix} 1066 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 6, 5, 6) \\
L_{3983} &= \begin{bmatrix} 1066 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 6, 5, 6) \\
L_{3984} &= \begin{bmatrix} 1066 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 6, 5, 6) \\
L_{3985} &= \begin{bmatrix} 1066 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 6, 5, 6) \\
L_{3986} &= \begin{bmatrix} 1066 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 6, 5, 6)
\end{aligned}$$

$$\begin{aligned}
L_{3987} &= \begin{bmatrix} 1066 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 6, 5, 6) \\
L_{3988} &= \begin{bmatrix} 1066 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 6, 5, 6) \\
L_{3989} &= \begin{bmatrix} 1066 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 6, 5, 6) \\
L_{3990} &= \begin{bmatrix} 1066 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 6, 6, 6) \\
L_{3991} &= \begin{bmatrix} 1066 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 6, 6, 6) \\
L_{3992} &= \begin{bmatrix} 1066 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 6, 6, 6) \\
L_{3993} &= \begin{bmatrix} 1066 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 6, 6, 6) \\
L_{3994} &= \begin{bmatrix} 1066 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 6, 6, 6) \\
L_{3995} &= \begin{bmatrix} 1066 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 6, 6, 6) \\
L_{3996} &= \begin{bmatrix} 1066 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 6, 6, 6) \\
L_{3997} &= \begin{bmatrix} 1066 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 6, 6, 6) \\
L_{3998} &= \begin{bmatrix} 1066 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 6, 7, 6) \\
L_{3999} &= \begin{bmatrix} 1066 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 6, 7, 6)
\end{aligned}$$

$$\begin{aligned}
L_{4000} &= \begin{bmatrix} 1066 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 6, 7, 6) \\
L_{4001} &= \begin{bmatrix} 1066 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 6, 7, 6) \\
L_{4002} &= \begin{bmatrix} 1066 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 6, 7, 6) \\
L_{4003} &= \begin{bmatrix} 1066 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 6, 7, 6) \\
L_{4004} &= \begin{bmatrix} 1066 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 6, 7, 6) \\
L_{4005} &= \begin{bmatrix} 1066 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 6, 7, 6) \\
L_{4006} &= \begin{bmatrix} 1606 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 0, 0, 6) \\
L_{4007} &= \begin{bmatrix} 1606 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 6, 1, 6) \\
L_{4008} &= \begin{bmatrix} 1606 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 1, 2, 6) \\
L_{4009} &= \begin{bmatrix} 1606 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 7, 3, 6) \\
L_{4010} &= \begin{bmatrix} 1606 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 2, 4, 6) \\
L_{4011} &= \begin{bmatrix} 1606 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 4, 5, 6) \\
L_{4012} &= \begin{bmatrix} 1606 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 3, 6, 6) \\
L_{4013} &= \begin{bmatrix} 1606 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 5, 7, 6) \\
L_{4014} &= \begin{bmatrix} 1660 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 6, 0, 6, 1, 0) \\
L_{4015} &= \begin{bmatrix} 1076 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 6, 0, 7) \\
L_{4016} &= \begin{bmatrix} 1076 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 6, 0, 7) \\
L_{4017} &= \begin{bmatrix} 1076 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 6, 0, 7) \\
L_{4018} &= \begin{bmatrix} 1076 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 6, 0, 7) \\
L_{4019} &= \begin{bmatrix} 1076 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 6, 0, 7) \\
L_{4020} &= \begin{bmatrix} 1076 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 6, 0, 7)
\end{aligned}$$

$$\begin{aligned}
L_{4021} &= \begin{bmatrix} 1076 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 6, 0, 7) \\
L_{4022} &= \begin{bmatrix} 1076 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 6, 0, 7) \\
L_{4023} &= \begin{bmatrix} 1076 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 6, 1, 7) \\
L_{4024} &= \begin{bmatrix} 1076 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 6, 1, 7) \\
L_{4025} &= \begin{bmatrix} 1076 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 6, 1, 7) \\
L_{4026} &= \begin{bmatrix} 1076 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 6, 1, 7) \\
L_{4027} &= \begin{bmatrix} 1076 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 6, 1, 7) \\
L_{4028} &= \begin{bmatrix} 1076 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 6, 1, 7) \\
L_{4029} &= \begin{bmatrix} 1076 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 6, 1, 7) \\
L_{4030} &= \begin{bmatrix} 1076 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 6, 1, 7) \\
L_{4031} &= \begin{bmatrix} 1076 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 6, 2, 7) \\
L_{4032} &= \begin{bmatrix} 1076 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 6, 2, 7) \\
L_{4033} &= \begin{bmatrix} 1076 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 6, 2, 7) \\
L_{4034} &= \begin{bmatrix} 1076 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 6, 2, 7) \\
L_{4035} &= \begin{bmatrix} 1076 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 6, 2, 7) \\
L_{4036} &= \begin{bmatrix} 1076 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 6, 2, 7) \\
L_{4037} &= \begin{bmatrix} 1076 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 6, 2, 7) \\
L_{4038} &= \begin{bmatrix} 1076 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 6, 2, 7) \\
L_{4039} &= \begin{bmatrix} 1076 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 6, 3, 7) \\
L_{4040} &= \begin{bmatrix} 1076 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 6, 3, 7) \\
L_{4041} &= \begin{bmatrix} 1076 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 6, 3, 7)
\end{aligned}$$

$$\begin{aligned}
L_{4042} &= \begin{bmatrix} 1076 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 6, 3, 7) \\
L_{4043} &= \begin{bmatrix} 1076 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 6, 3, 7) \\
L_{4044} &= \begin{bmatrix} 1076 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 6, 3, 7) \\
L_{4045} &= \begin{bmatrix} 1076 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 6, 3, 7) \\
L_{4046} &= \begin{bmatrix} 1076 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 6, 3, 7) \\
L_{4047} &= \begin{bmatrix} 1076 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 6, 4, 7) \\
L_{4048} &= \begin{bmatrix} 1076 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 6, 4, 7) \\
L_{4049} &= \begin{bmatrix} 1076 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 6, 4, 7) \\
L_{4050} &= \begin{bmatrix} 1076 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 6, 4, 7) \\
L_{4051} &= \begin{bmatrix} 1076 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 6, 4, 7) \\
L_{4052} &= \begin{bmatrix} 1076 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 6, 4, 7) \\
L_{4053} &= \begin{bmatrix} 1076 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 6, 4, 7) \\
L_{4054} &= \begin{bmatrix} 1076 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 6, 4, 7) \\
L_{4055} &= \begin{bmatrix} 1076 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 6, 5, 7) \\
L_{4056} &= \begin{bmatrix} 1076 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 6, 5, 7) \\
L_{4057} &= \begin{bmatrix} 1076 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 6, 5, 7) \\
L_{4058} &= \begin{bmatrix} 1076 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 6, 5, 7) \\
L_{4059} &= \begin{bmatrix} 1076 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 6, 5, 7) \\
L_{4060} &= \begin{bmatrix} 1076 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 6, 5, 7) \\
L_{4061} &= \begin{bmatrix} 1076 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 6, 5, 7) \\
L_{4062} &= \begin{bmatrix} 1076 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 6, 5, 7)
\end{aligned}$$

$$\begin{aligned}
L_{4063} &= \begin{bmatrix} 1076 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 6, 6, 7) \\
L_{4064} &= \begin{bmatrix} 1076 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 6, 6, 7) \\
L_{4065} &= \begin{bmatrix} 1076 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 6, 6, 7) \\
L_{4066} &= \begin{bmatrix} 1076 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 6, 6, 7) \\
L_{4067} &= \begin{bmatrix} 1076 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 6, 6, 7) \\
L_{4068} &= \begin{bmatrix} 1076 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 6, 6, 7) \\
L_{4069} &= \begin{bmatrix} 1076 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 6, 6, 7) \\
L_{4070} &= \begin{bmatrix} 1076 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 6, 6, 7) \\
L_{4071} &= \begin{bmatrix} 1076 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 6, 7, 7) \\
L_{4072} &= \begin{bmatrix} 1076 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 6, 7, 7) \\
L_{4073} &= \begin{bmatrix} 1076 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 6, 7, 7) \\
L_{4074} &= \begin{bmatrix} 1076 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 6, 7, 7) \\
L_{4075} &= \begin{bmatrix} 1076 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 6, 7, 7) \\
L_{4076} &= \begin{bmatrix} 1076 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 6, 7, 7) \\
L_{4077} &= \begin{bmatrix} 1076 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 6, 7, 7) \\
L_{4078} &= \begin{bmatrix} 1076 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 6, 7, 7) \\
L_{4079} &= \begin{bmatrix} 1706 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 0, 0, 7) \\
L_{4080} &= \begin{bmatrix} 1706 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 7, 1, 7) \\
L_{4081} &= \begin{bmatrix} 1706 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 3, 2, 7) \\
L_{4082} &= \begin{bmatrix} 1706 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 4, 3, 7) \\
L_{4083} &= \begin{bmatrix} 1706 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 6, 4, 7)
\end{aligned}$$

$$\begin{aligned}
L_{4084} &= \begin{bmatrix} 1706 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 1, 5, 7) \\
L_{4085} &= \begin{bmatrix} 1706 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 5, 6, 7) \\
L_{4086} &= \begin{bmatrix} 1706 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 6, 1, 2, 7, 7) \\
L_{4087} &= \begin{bmatrix} 1760 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 6, 0, 7, 1, 0) \\
L_{4088} &= \begin{bmatrix} 1007 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 7, 0, 0) \\
L_{4089} &= \begin{bmatrix} 1007 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 7, 0, 0) \\
L_{4090} &= \begin{bmatrix} 1007 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 7, 0, 0) \\
L_{4091} &= \begin{bmatrix} 1007 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 7, 0, 0) \\
L_{4092} &= \begin{bmatrix} 1007 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 7, 0, 0) \\
L_{4093} &= \begin{bmatrix} 1007 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 7, 0, 0) \\
L_{4094} &= \begin{bmatrix} 1007 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 7, 0, 0) \\
L_{4095} &= \begin{bmatrix} 1007 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 7, 0, 0) \\
L_{4096} &= \begin{bmatrix} 1007 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 7, 1, 0) \\
L_{4097} &= \begin{bmatrix} 1007 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 7, 1, 0) \\
L_{4098} &= \begin{bmatrix} 1007 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 7, 1, 0) \\
L_{4099} &= \begin{bmatrix} 1007 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 7, 1, 0) \\
L_{4100} &= \begin{bmatrix} 1007 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 7, 1, 0) \\
L_{4101} &= \begin{bmatrix} 1007 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 7, 1, 0) \\
L_{4102} &= \begin{bmatrix} 1007 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 7, 1, 0) \\
L_{4103} &= \begin{bmatrix} 1007 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 7, 1, 0) \\
L_{4104} &= \begin{bmatrix} 1007 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 7, 2, 0)
\end{aligned}$$



$$\begin{aligned}
L_{4105} &= \begin{bmatrix} 1007 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 7, 2, 0) \\
L_{4106} &= \begin{bmatrix} 1007 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 7, 2, 0) \\
L_{4107} &= \begin{bmatrix} 1007 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 7, 2, 0) \\
L_{4108} &= \begin{bmatrix} 1007 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 7, 2, 0) \\
L_{4109} &= \begin{bmatrix} 1007 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 7, 2, 0) \\
L_{4110} &= \begin{bmatrix} 1007 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 7, 2, 0) \\
L_{4111} &= \begin{bmatrix} 1007 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 7, 2, 0) \\
L_{4112} &= \begin{bmatrix} 1007 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 7, 3, 0) \\
L_{4113} &= \begin{bmatrix} 1007 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 7, 3, 0) \\
L_{4114} &= \begin{bmatrix} 1007 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 7, 3, 0) \\
L_{4115} &= \begin{bmatrix} 1007 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 7, 3, 0) \\
L_{4116} &= \begin{bmatrix} 1007 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 7, 3, 0) \\
L_{4117} &= \begin{bmatrix} 1007 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 7, 3, 0) \\
L_{4118} &= \begin{bmatrix} 1007 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 7, 3, 0) \\
L_{4119} &= \begin{bmatrix} 1007 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 7, 3, 0) \\
L_{4120} &= \begin{bmatrix} 1007 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 7, 4, 0) \\
L_{4121} &= \begin{bmatrix} 1007 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 7, 4, 0) \\
L_{4122} &= \begin{bmatrix} 1007 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 7, 4, 0) \\
L_{4123} &= \begin{bmatrix} 1007 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 7, 4, 0) \\
L_{4124} &= \begin{bmatrix} 1007 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 7, 4, 0) \\
L_{4125} &= \begin{bmatrix} 1007 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 7, 4, 0)
\end{aligned}$$

$$\begin{aligned}
L_{4126} &= \begin{bmatrix} 1007 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 7, 4, 0) \\
L_{4127} &= \begin{bmatrix} 1007 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 7, 4, 0) \\
L_{4128} &= \begin{bmatrix} 1007 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 7, 5, 0) \\
L_{4129} &= \begin{bmatrix} 1007 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 7, 5, 0) \\
L_{4130} &= \begin{bmatrix} 1007 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 7, 5, 0) \\
L_{4131} &= \begin{bmatrix} 1007 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 7, 5, 0) \\
L_{4132} &= \begin{bmatrix} 1007 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 7, 5, 0) \\
L_{4133} &= \begin{bmatrix} 1007 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 7, 5, 0) \\
L_{4134} &= \begin{bmatrix} 1007 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 7, 5, 0) \\
L_{4135} &= \begin{bmatrix} 1007 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 7, 5, 0) \\
L_{4136} &= \begin{bmatrix} 1007 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 7, 6, 0) \\
L_{4137} &= \begin{bmatrix} 1007 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 7, 6, 0) \\
L_{4138} &= \begin{bmatrix} 1007 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 7, 6, 0) \\
L_{4139} &= \begin{bmatrix} 1007 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 7, 6, 0) \\
L_{4140} &= \begin{bmatrix} 1007 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 7, 6, 0) \\
L_{4141} &= \begin{bmatrix} 1007 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 7, 6, 0) \\
L_{4142} &= \begin{bmatrix} 1007 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 7, 6, 0) \\
L_{4143} &= \begin{bmatrix} 1007 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 7, 6, 0) \\
L_{4144} &= \begin{bmatrix} 1007 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 7, 7, 0) \\
L_{4145} &= \begin{bmatrix} 1007 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 7, 7, 0) \\
L_{4146} &= \begin{bmatrix} 1007 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 7, 7, 0)
\end{aligned}$$

$$\begin{aligned}
L_{4147} &= \begin{bmatrix} 1007 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 7, 7, 0) \\
L_{4148} &= \begin{bmatrix} 1007 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 7, 7, 0) \\
L_{4149} &= \begin{bmatrix} 1007 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 7, 7, 0) \\
L_{4150} &= \begin{bmatrix} 1007 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 7, 7, 0) \\
L_{4151} &= \begin{bmatrix} 1007 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 7, 7, 0) \\
L_{4152} &= \begin{bmatrix} 1007 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 0, 0, 0) \\
L_{4153} &= \begin{bmatrix} 1007 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 0, 1, 0) \\
L_{4154} &= \begin{bmatrix} 1007 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 0, 2, 0) \\
L_{4155} &= \begin{bmatrix} 1007 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 0, 3, 0) \\
L_{4156} &= \begin{bmatrix} 1007 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 0, 4, 0) \\
L_{4157} &= \begin{bmatrix} 1007 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 0, 5, 0) \\
L_{4158} &= \begin{bmatrix} 1007 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 0, 6, 0) \\
L_{4159} &= \begin{bmatrix} 1007 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 0, 7, 0) \\
L_{4160} &= \begin{bmatrix} 1070 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 7, 0, 0, 1, 0) \\
L_{4161} &= \begin{bmatrix} 1017 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 7, 0, 1) \\
L_{4162} &= \begin{bmatrix} 1017 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 7, 0, 1) \\
L_{4163} &= \begin{bmatrix} 1017 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 7, 0, 1) \\
L_{4164} &= \begin{bmatrix} 1017 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 7, 0, 1) \\
L_{4165} &= \begin{bmatrix} 1017 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 7, 0, 1) \\
L_{4166} &= \begin{bmatrix} 1017 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 7, 0, 1) \\
L_{4167} &= \begin{bmatrix} 1017 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 7, 0, 1)
\end{aligned}$$

$$\begin{aligned}
L_{4168} &= \begin{bmatrix} 1017 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 7, 0, 1) \\
L_{4169} &= \begin{bmatrix} 1017 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 7, 1, 1) \\
L_{4170} &= \begin{bmatrix} 1017 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 7, 1, 1) \\
L_{4171} &= \begin{bmatrix} 1017 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 7, 1, 1) \\
L_{4172} &= \begin{bmatrix} 1017 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 7, 1, 1) \\
L_{4173} &= \begin{bmatrix} 1017 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 7, 1, 1) \\
L_{4174} &= \begin{bmatrix} 1017 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 7, 1, 1) \\
L_{4175} &= \begin{bmatrix} 1017 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 7, 1, 1) \\
L_{4176} &= \begin{bmatrix} 1017 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 7, 1, 1) \\
L_{4177} &= \begin{bmatrix} 1017 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 7, 2, 1) \\
L_{4178} &= \begin{bmatrix} 1017 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 7, 2, 1) \\
L_{4179} &= \begin{bmatrix} 1017 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 7, 2, 1) \\
L_{4180} &= \begin{bmatrix} 1017 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 7, 2, 1) \\
L_{4181} &= \begin{bmatrix} 1017 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 7, 2, 1) \\
L_{4182} &= \begin{bmatrix} 1017 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 7, 2, 1) \\
L_{4183} &= \begin{bmatrix} 1017 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 7, 2, 1) \\
L_{4184} &= \begin{bmatrix} 1017 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 7, 2, 1) \\
L_{4185} &= \begin{bmatrix} 1017 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 7, 3, 1) \\
L_{4186} &= \begin{bmatrix} 1017 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 7, 3, 1) \\
L_{4187} &= \begin{bmatrix} 1017 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 7, 3, 1) \\
L_{4188} &= \begin{bmatrix} 1017 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 7, 3, 1)
\end{aligned}$$

$$\begin{aligned}
L_{4189} &= \begin{bmatrix} 1017 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 7, 3, 1) \\
L_{4190} &= \begin{bmatrix} 1017 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 7, 3, 1) \\
L_{4191} &= \begin{bmatrix} 1017 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 7, 3, 1) \\
L_{4192} &= \begin{bmatrix} 1017 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 7, 3, 1) \\
L_{4193} &= \begin{bmatrix} 1017 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 7, 4, 1) \\
L_{4194} &= \begin{bmatrix} 1017 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 7, 4, 1) \\
L_{4195} &= \begin{bmatrix} 1017 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 7, 4, 1) \\
L_{4196} &= \begin{bmatrix} 1017 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 7, 4, 1) \\
L_{4197} &= \begin{bmatrix} 1017 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 7, 4, 1) \\
L_{4198} &= \begin{bmatrix} 1017 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 7, 4, 1) \\
L_{4199} &= \begin{bmatrix} 1017 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 7, 4, 1) \\
L_{4200} &= \begin{bmatrix} 1017 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 7, 4, 1) \\
L_{4201} &= \begin{bmatrix} 1017 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 7, 5, 1) \\
L_{4202} &= \begin{bmatrix} 1017 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 7, 5, 1) \\
L_{4203} &= \begin{bmatrix} 1017 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 7, 5, 1) \\
L_{4204} &= \begin{bmatrix} 1017 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 7, 5, 1) \\
L_{4205} &= \begin{bmatrix} 1017 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 7, 5, 1) \\
L_{4206} &= \begin{bmatrix} 1017 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 7, 5, 1) \\
L_{4207} &= \begin{bmatrix} 1017 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 7, 5, 1) \\
L_{4208} &= \begin{bmatrix} 1017 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 7, 5, 1) \\
L_{4209} &= \begin{bmatrix} 1017 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 7, 6, 1)
\end{aligned}$$

$$\begin{aligned}
L_{4210} &= \begin{bmatrix} 1017 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 7, 6, 1) \\
L_{4211} &= \begin{bmatrix} 1017 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 7, 6, 1) \\
L_{4212} &= \begin{bmatrix} 1017 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 7, 6, 1) \\
L_{4213} &= \begin{bmatrix} 1017 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 7, 6, 1) \\
L_{4214} &= \begin{bmatrix} 1017 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 7, 6, 1) \\
L_{4215} &= \begin{bmatrix} 1017 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 7, 6, 1) \\
L_{4216} &= \begin{bmatrix} 1017 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 7, 6, 1) \\
L_{4217} &= \begin{bmatrix} 1017 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 7, 7, 1) \\
L_{4218} &= \begin{bmatrix} 1017 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 7, 7, 1) \\
L_{4219} &= \begin{bmatrix} 1017 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 7, 7, 1) \\
L_{4220} &= \begin{bmatrix} 1017 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 7, 7, 1) \\
L_{4221} &= \begin{bmatrix} 1017 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 7, 7, 1) \\
L_{4222} &= \begin{bmatrix} 1017 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 7, 7, 1) \\
L_{4223} &= \begin{bmatrix} 1017 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 7, 7, 1) \\
L_{4224} &= \begin{bmatrix} 1017 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 7, 7, 1) \\
L_{4225} &= \begin{bmatrix} 1107 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 0, 0, 1) \\
L_{4226} &= \begin{bmatrix} 1107 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 1, 1, 1) \\
L_{4227} &= \begin{bmatrix} 1107 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 2, 2, 1) \\
L_{4228} &= \begin{bmatrix} 1107 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 3, 3, 1) \\
L_{4229} &= \begin{bmatrix} 1107 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 4, 4, 1) \\
L_{4230} &= \begin{bmatrix} 1107 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 5, 5, 1)
\end{aligned}$$

$$\begin{aligned}
L_{4231} &= \begin{bmatrix} 1107 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 6, 6, 1) \\
L_{4232} &= \begin{bmatrix} 1107 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 7, 7, 1) \\
L_{4233} &= \begin{bmatrix} 1170 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 7, 0, 1, 1, 0) \\
L_{4234} &= \begin{bmatrix} 1027 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 7, 0, 2) \\
L_{4235} &= \begin{bmatrix} 1027 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 7, 0, 2) \\
L_{4236} &= \begin{bmatrix} 1027 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 7, 0, 2) \\
L_{4237} &= \begin{bmatrix} 1027 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 7, 0, 2) \\
L_{4238} &= \begin{bmatrix} 1027 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 7, 0, 2) \\
L_{4239} &= \begin{bmatrix} 1027 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 7, 0, 2) \\
L_{4240} &= \begin{bmatrix} 1027 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 7, 0, 2) \\
L_{4241} &= \begin{bmatrix} 1027 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 7, 0, 2) \\
L_{4242} &= \begin{bmatrix} 1027 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 7, 1, 2) \\
L_{4243} &= \begin{bmatrix} 1027 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 7, 1, 2) \\
L_{4244} &= \begin{bmatrix} 1027 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 7, 1, 2) \\
L_{4245} &= \begin{bmatrix} 1027 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 7, 1, 2) \\
L_{4246} &= \begin{bmatrix} 1027 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 7, 1, 2) \\
L_{4247} &= \begin{bmatrix} 1027 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 7, 1, 2) \\
L_{4248} &= \begin{bmatrix} 1027 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 7, 1, 2) \\
L_{4249} &= \begin{bmatrix} 1027 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 7, 1, 2) \\
L_{4250} &= \begin{bmatrix} 1027 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 7, 2, 2) \\
L_{4251} &= \begin{bmatrix} 1027 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 7, 2, 2)
\end{aligned}$$

$$\begin{aligned}
L_{4252} &= \begin{bmatrix} 1027 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 7, 2, 2) \\
L_{4253} &= \begin{bmatrix} 1027 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 7, 2, 2) \\
L_{4254} &= \begin{bmatrix} 1027 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 7, 2, 2) \\
L_{4255} &= \begin{bmatrix} 1027 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 7, 2, 2) \\
L_{4256} &= \begin{bmatrix} 1027 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 7, 2, 2) \\
L_{4257} &= \begin{bmatrix} 1027 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 7, 2, 2) \\
L_{4258} &= \begin{bmatrix} 1027 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 7, 3, 2) \\
L_{4259} &= \begin{bmatrix} 1027 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 7, 3, 2) \\
L_{4260} &= \begin{bmatrix} 1027 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 7, 3, 2) \\
L_{4261} &= \begin{bmatrix} 1027 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 7, 3, 2) \\
L_{4262} &= \begin{bmatrix} 1027 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 7, 3, 2) \\
L_{4263} &= \begin{bmatrix} 1027 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 7, 3, 2) \\
L_{4264} &= \begin{bmatrix} 1027 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 7, 3, 2) \\
L_{4265} &= \begin{bmatrix} 1027 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 7, 3, 2) \\
L_{4266} &= \begin{bmatrix} 1027 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 7, 4, 2) \\
L_{4267} &= \begin{bmatrix} 1027 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 7, 4, 2) \\
L_{4268} &= \begin{bmatrix} 1027 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 7, 4, 2) \\
L_{4269} &= \begin{bmatrix} 1027 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 7, 4, 2) \\
L_{4270} &= \begin{bmatrix} 1027 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 7, 4, 2) \\
L_{4271} &= \begin{bmatrix} 1027 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 7, 4, 2) \\
L_{4272} &= \begin{bmatrix} 1027 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 7, 4, 2)
\end{aligned}$$



$$\begin{aligned}
L_{4273} &= \begin{bmatrix} 1027 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 7, 4, 2) \\
L_{4274} &= \begin{bmatrix} 1027 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 7, 5, 2) \\
L_{4275} &= \begin{bmatrix} 1027 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 7, 5, 2) \\
L_{4276} &= \begin{bmatrix} 1027 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 7, 5, 2) \\
L_{4277} &= \begin{bmatrix} 1027 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 7, 5, 2) \\
L_{4278} &= \begin{bmatrix} 1027 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 7, 5, 2) \\
L_{4279} &= \begin{bmatrix} 1027 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 7, 5, 2) \\
L_{4280} &= \begin{bmatrix} 1027 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 7, 5, 2) \\
L_{4281} &= \begin{bmatrix} 1027 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 7, 5, 2) \\
L_{4282} &= \begin{bmatrix} 1027 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 7, 6, 2) \\
L_{4283} &= \begin{bmatrix} 1027 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 7, 6, 2) \\
L_{4284} &= \begin{bmatrix} 1027 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 7, 6, 2) \\
L_{4285} &= \begin{bmatrix} 1027 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 7, 6, 2) \\
L_{4286} &= \begin{bmatrix} 1027 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 7, 6, 2) \\
L_{4287} &= \begin{bmatrix} 1027 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 7, 6, 2) \\
L_{4288} &= \begin{bmatrix} 1027 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 7, 6, 2) \\
L_{4289} &= \begin{bmatrix} 1027 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 7, 6, 2) \\
L_{4290} &= \begin{bmatrix} 1027 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 7, 7, 2) \\
L_{4291} &= \begin{bmatrix} 1027 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 7, 7, 2) \\
L_{4292} &= \begin{bmatrix} 1027 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 7, 7, 2) \\
L_{4293} &= \begin{bmatrix} 1027 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 7, 7, 2)
\end{aligned}$$

$$\begin{aligned}
L_{4294} &= \begin{bmatrix} 1027 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 7, 7, 2) \\
L_{4295} &= \begin{bmatrix} 1027 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 7, 7, 2) \\
L_{4296} &= \begin{bmatrix} 1027 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 7, 7, 2) \\
L_{4297} &= \begin{bmatrix} 1027 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 7, 7, 2) \\
L_{4298} &= \begin{bmatrix} 1207 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 0, 0, 2) \\
L_{4299} &= \begin{bmatrix} 1207 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 2, 1, 2) \\
L_{4300} &= \begin{bmatrix} 1207 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 4, 2, 2) \\
L_{4301} &= \begin{bmatrix} 1207 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 6, 3, 2) \\
L_{4302} &= \begin{bmatrix} 1207 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 5, 4, 2) \\
L_{4303} &= \begin{bmatrix} 1207 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 7, 5, 2) \\
L_{4304} &= \begin{bmatrix} 1207 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 1, 6, 2) \\
L_{4305} &= \begin{bmatrix} 1207 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 3, 7, 2) \\
L_{4306} &= \begin{bmatrix} 1270 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 7, 0, 2, 1, 0) \\
L_{4307} &= \begin{bmatrix} 1037 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 7, 0, 3) \\
L_{4308} &= \begin{bmatrix} 1037 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 7, 0, 3) \\
L_{4309} &= \begin{bmatrix} 1037 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 7, 0, 3) \\
L_{4310} &= \begin{bmatrix} 1037 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 7, 0, 3) \\
L_{4311} &= \begin{bmatrix} 1037 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 7, 0, 3) \\
L_{4312} &= \begin{bmatrix} 1037 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 7, 0, 3) \\
L_{4313} &= \begin{bmatrix} 1037 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 7, 0, 3) \\
L_{4314} &= \begin{bmatrix} 1037 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 7, 0, 3)
\end{aligned}$$

$$\begin{aligned}
L_{4315} &= \begin{bmatrix} 1037 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 7, 1, 3) \\
L_{4316} &= \begin{bmatrix} 1037 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 7, 1, 3) \\
L_{4317} &= \begin{bmatrix} 1037 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 7, 1, 3) \\
L_{4318} &= \begin{bmatrix} 1037 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 7, 1, 3) \\
L_{4319} &= \begin{bmatrix} 1037 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 7, 1, 3) \\
L_{4320} &= \begin{bmatrix} 1037 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 7, 1, 3) \\
L_{4321} &= \begin{bmatrix} 1037 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 7, 1, 3) \\
L_{4322} &= \begin{bmatrix} 1037 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 7, 1, 3) \\
L_{4323} &= \begin{bmatrix} 1037 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 7, 2, 3) \\
L_{4324} &= \begin{bmatrix} 1037 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 7, 2, 3) \\
L_{4325} &= \begin{bmatrix} 1037 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 7, 2, 3) \\
L_{4326} &= \begin{bmatrix} 1037 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 7, 2, 3) \\
L_{4327} &= \begin{bmatrix} 1037 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 7, 2, 3) \\
L_{4328} &= \begin{bmatrix} 1037 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 7, 2, 3) \\
L_{4329} &= \begin{bmatrix} 1037 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 7, 2, 3) \\
L_{4330} &= \begin{bmatrix} 1037 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 7, 2, 3) \\
L_{4331} &= \begin{bmatrix} 1037 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 7, 3, 3) \\
L_{4332} &= \begin{bmatrix} 1037 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 7, 3, 3) \\
L_{4333} &= \begin{bmatrix} 1037 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 7, 3, 3) \\
L_{4334} &= \begin{bmatrix} 1037 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 7, 3, 3) \\
L_{4335} &= \begin{bmatrix} 1037 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 7, 3, 3)
\end{aligned}$$

$$\begin{aligned}
L_{4336} &= \begin{bmatrix} 1037 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 7, 3, 3) \\
L_{4337} &= \begin{bmatrix} 1037 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 7, 3, 3) \\
L_{4338} &= \begin{bmatrix} 1037 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 7, 3, 3) \\
L_{4339} &= \begin{bmatrix} 1037 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 7, 4, 3) \\
L_{4340} &= \begin{bmatrix} 1037 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 7, 4, 3) \\
L_{4341} &= \begin{bmatrix} 1037 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 7, 4, 3) \\
L_{4342} &= \begin{bmatrix} 1037 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 7, 4, 3) \\
L_{4343} &= \begin{bmatrix} 1037 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 7, 4, 3) \\
L_{4344} &= \begin{bmatrix} 1037 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 7, 4, 3) \\
L_{4345} &= \begin{bmatrix} 1037 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 7, 4, 3) \\
L_{4346} &= \begin{bmatrix} 1037 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 7, 4, 3) \\
L_{4347} &= \begin{bmatrix} 1037 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 7, 5, 3) \\
L_{4348} &= \begin{bmatrix} 1037 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 7, 5, 3) \\
L_{4349} &= \begin{bmatrix} 1037 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 7, 5, 3) \\
L_{4350} &= \begin{bmatrix} 1037 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 7, 5, 3) \\
L_{4351} &= \begin{bmatrix} 1037 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 7, 5, 3) \\
L_{4352} &= \begin{bmatrix} 1037 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 7, 5, 3) \\
L_{4353} &= \begin{bmatrix} 1037 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 7, 5, 3) \\
L_{4354} &= \begin{bmatrix} 1037 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 7, 5, 3) \\
L_{4355} &= \begin{bmatrix} 1037 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 7, 6, 3) \\
L_{4356} &= \begin{bmatrix} 1037 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 7, 6, 3)
\end{aligned}$$

$$\begin{aligned}
L_{4357} &= \begin{bmatrix} 1037 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 7, 6, 3) \\
L_{4358} &= \begin{bmatrix} 1037 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 7, 6, 3) \\
L_{4359} &= \begin{bmatrix} 1037 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 7, 6, 3) \\
L_{4360} &= \begin{bmatrix} 1037 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 7, 6, 3) \\
L_{4361} &= \begin{bmatrix} 1037 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 7, 6, 3) \\
L_{4362} &= \begin{bmatrix} 1037 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 7, 6, 3) \\
L_{4363} &= \begin{bmatrix} 1037 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 7, 7, 3) \\
L_{4364} &= \begin{bmatrix} 1037 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 7, 7, 3) \\
L_{4365} &= \begin{bmatrix} 1037 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 7, 7, 3) \\
L_{4366} &= \begin{bmatrix} 1037 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 7, 7, 3) \\
L_{4367} &= \begin{bmatrix} 1037 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 7, 7, 3) \\
L_{4368} &= \begin{bmatrix} 1037 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 7, 7, 3) \\
L_{4369} &= \begin{bmatrix} 1037 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 7, 7, 3) \\
L_{4370} &= \begin{bmatrix} 1037 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 7, 7, 3) \\
L_{4371} &= \begin{bmatrix} 1307 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 0, 0, 3) \\
L_{4372} &= \begin{bmatrix} 1307 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 3, 1, 3) \\
L_{4373} &= \begin{bmatrix} 1307 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 6, 2, 3) \\
L_{4374} &= \begin{bmatrix} 1307 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 5, 3, 3) \\
L_{4375} &= \begin{bmatrix} 1307 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 1, 4, 3) \\
L_{4376} &= \begin{bmatrix} 1307 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 2, 5, 3) \\
L_{4377} &= \begin{bmatrix} 1307 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 7, 6, 3)
\end{aligned}$$

$$\begin{aligned}
L_{4378} &= \begin{bmatrix} 1307 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 4, 7, 3) \\
L_{4379} &= \begin{bmatrix} 1370 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 7, 0, 3, 1, 0) \\
L_{4380} &= \begin{bmatrix} 1047 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 7, 0, 4) \\
L_{4381} &= \begin{bmatrix} 1047 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 7, 0, 4) \\
L_{4382} &= \begin{bmatrix} 1047 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 7, 0, 4) \\
L_{4383} &= \begin{bmatrix} 1047 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 7, 0, 4) \\
L_{4384} &= \begin{bmatrix} 1047 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 7, 0, 4) \\
L_{4385} &= \begin{bmatrix} 1047 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 7, 0, 4) \\
L_{4386} &= \begin{bmatrix} 1047 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 7, 0, 4) \\
L_{4387} &= \begin{bmatrix} 1047 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 7, 0, 4) \\
L_{4388} &= \begin{bmatrix} 1047 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 7, 1, 4) \\
L_{4389} &= \begin{bmatrix} 1047 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 7, 1, 4) \\
L_{4390} &= \begin{bmatrix} 1047 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 7, 1, 4) \\
L_{4391} &= \begin{bmatrix} 1047 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 7, 1, 4) \\
L_{4392} &= \begin{bmatrix} 1047 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 7, 1, 4) \\
L_{4393} &= \begin{bmatrix} 1047 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 7, 1, 4) \\
L_{4394} &= \begin{bmatrix} 1047 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 7, 1, 4) \\
L_{4395} &= \begin{bmatrix} 1047 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 7, 1, 4) \\
L_{4396} &= \begin{bmatrix} 1047 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 7, 2, 4) \\
L_{4397} &= \begin{bmatrix} 1047 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 7, 2, 4) \\
L_{4398} &= \begin{bmatrix} 1047 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 7, 2, 4)
\end{aligned}$$

$$\begin{aligned}
L_{4399} &= \begin{bmatrix} 1047 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 7, 2, 4) \\
L_{4400} &= \begin{bmatrix} 1047 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 7, 2, 4) \\
L_{4401} &= \begin{bmatrix} 1047 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 7, 2, 4) \\
L_{4402} &= \begin{bmatrix} 1047 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 7, 2, 4) \\
L_{4403} &= \begin{bmatrix} 1047 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 7, 2, 4) \\
L_{4404} &= \begin{bmatrix} 1047 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 7, 3, 4) \\
L_{4405} &= \begin{bmatrix} 1047 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 7, 3, 4) \\
L_{4406} &= \begin{bmatrix} 1047 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 7, 3, 4) \\
L_{4407} &= \begin{bmatrix} 1047 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 7, 3, 4) \\
L_{4408} &= \begin{bmatrix} 1047 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 7, 3, 4) \\
L_{4409} &= \begin{bmatrix} 1047 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 7, 3, 4) \\
L_{4410} &= \begin{bmatrix} 1047 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 7, 3, 4) \\
L_{4411} &= \begin{bmatrix} 1047 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 7, 3, 4) \\
L_{4412} &= \begin{bmatrix} 1047 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 7, 4, 4) \\
L_{4413} &= \begin{bmatrix} 1047 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 7, 4, 4) \\
L_{4414} &= \begin{bmatrix} 1047 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 7, 4, 4) \\
L_{4415} &= \begin{bmatrix} 1047 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 7, 4, 4) \\
L_{4416} &= \begin{bmatrix} 1047 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 7, 4, 4) \\
L_{4417} &= \begin{bmatrix} 1047 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 7, 4, 4) \\
L_{4418} &= \begin{bmatrix} 1047 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 7, 4, 4) \\
L_{4419} &= \begin{bmatrix} 1047 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 7, 4, 4)
\end{aligned}$$

$$\begin{aligned}
L_{4420} &= \begin{bmatrix} 1047 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 7, 5, 4) \\
L_{4421} &= \begin{bmatrix} 1047 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 7, 5, 4) \\
L_{4422} &= \begin{bmatrix} 1047 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 7, 5, 4) \\
L_{4423} &= \begin{bmatrix} 1047 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 7, 5, 4) \\
L_{4424} &= \begin{bmatrix} 1047 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 7, 5, 4) \\
L_{4425} &= \begin{bmatrix} 1047 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 7, 5, 4) \\
L_{4426} &= \begin{bmatrix} 1047 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 7, 5, 4) \\
L_{4427} &= \begin{bmatrix} 1047 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 7, 5, 4) \\
L_{4428} &= \begin{bmatrix} 1047 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 7, 6, 4) \\
L_{4429} &= \begin{bmatrix} 1047 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 7, 6, 4) \\
L_{4430} &= \begin{bmatrix} 1047 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 7, 6, 4) \\
L_{4431} &= \begin{bmatrix} 1047 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 7, 6, 4) \\
L_{4432} &= \begin{bmatrix} 1047 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 7, 6, 4) \\
L_{4433} &= \begin{bmatrix} 1047 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 7, 6, 4) \\
L_{4434} &= \begin{bmatrix} 1047 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 7, 6, 4) \\
L_{4435} &= \begin{bmatrix} 1047 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 7, 6, 4) \\
L_{4436} &= \begin{bmatrix} 1047 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 7, 7, 4) \\
L_{4437} &= \begin{bmatrix} 1047 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 7, 7, 4) \\
L_{4438} &= \begin{bmatrix} 1047 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 7, 7, 4) \\
L_{4439} &= \begin{bmatrix} 1047 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 7, 7, 4) \\
L_{4440} &= \begin{bmatrix} 1047 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 7, 7, 4)
\end{aligned}$$



$$\begin{aligned}
L_{4441} &= \begin{bmatrix} 1047 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 7, 7, 4) \\
L_{4442} &= \begin{bmatrix} 1047 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 7, 7, 4) \\
L_{4443} &= \begin{bmatrix} 1047 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 7, 7, 4) \\
L_{4444} &= \begin{bmatrix} 1407 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 0, 0, 4) \\
L_{4445} &= \begin{bmatrix} 1407 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 4, 1, 4) \\
L_{4446} &= \begin{bmatrix} 1407 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 5, 2, 4) \\
L_{4447} &= \begin{bmatrix} 1407 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 1, 3, 4) \\
L_{4448} &= \begin{bmatrix} 1407 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 7, 4, 4) \\
L_{4449} &= \begin{bmatrix} 1407 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 3, 5, 4) \\
L_{4450} &= \begin{bmatrix} 1407 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 2, 6, 4) \\
L_{4451} &= \begin{bmatrix} 1407 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 6, 7, 4) \\
L_{4452} &= \begin{bmatrix} 1470 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 7, 0, 4, 1, 0) \\
L_{4453} &= \begin{bmatrix} 1057 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 7, 0, 5) \\
L_{4454} &= \begin{bmatrix} 1057 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 7, 0, 5) \\
L_{4455} &= \begin{bmatrix} 1057 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 7, 0, 5) \\
L_{4456} &= \begin{bmatrix} 1057 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 7, 0, 5) \\
L_{4457} &= \begin{bmatrix} 1057 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 7, 0, 5) \\
L_{4458} &= \begin{bmatrix} 1057 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 7, 0, 5) \\
L_{4459} &= \begin{bmatrix} 1057 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 7, 0, 5) \\
L_{4460} &= \begin{bmatrix} 1057 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 7, 0, 5) \\
L_{4461} &= \begin{bmatrix} 1057 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 7, 1, 5)
\end{aligned}$$

$$\begin{aligned}
L_{4462} &= \begin{bmatrix} 1057 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 7, 1, 5) \\
L_{4463} &= \begin{bmatrix} 1057 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 7, 1, 5) \\
L_{4464} &= \begin{bmatrix} 1057 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 7, 1, 5) \\
L_{4465} &= \begin{bmatrix} 1057 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 7, 1, 5) \\
L_{4466} &= \begin{bmatrix} 1057 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 7, 1, 5) \\
L_{4467} &= \begin{bmatrix} 1057 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 7, 1, 5) \\
L_{4468} &= \begin{bmatrix} 1057 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 7, 1, 5) \\
L_{4469} &= \begin{bmatrix} 1057 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 7, 2, 5) \\
L_{4470} &= \begin{bmatrix} 1057 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 7, 2, 5) \\
L_{4471} &= \begin{bmatrix} 1057 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 7, 2, 5) \\
L_{4472} &= \begin{bmatrix} 1057 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 7, 2, 5) \\
L_{4473} &= \begin{bmatrix} 1057 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 7, 2, 5) \\
L_{4474} &= \begin{bmatrix} 1057 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 7, 2, 5) \\
L_{4475} &= \begin{bmatrix} 1057 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 7, 2, 5) \\
L_{4476} &= \begin{bmatrix} 1057 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 7, 2, 5) \\
L_{4477} &= \begin{bmatrix} 1057 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 7, 3, 5) \\
L_{4478} &= \begin{bmatrix} 1057 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 7, 3, 5) \\
L_{4479} &= \begin{bmatrix} 1057 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 7, 3, 5) \\
L_{4480} &= \begin{bmatrix} 1057 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 7, 3, 5) \\
L_{4481} &= \begin{bmatrix} 1057 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 7, 3, 5) \\
L_{4482} &= \begin{bmatrix} 1057 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 7, 3, 5)
\end{aligned}$$

$$\begin{aligned}
L_{4483} &= \begin{bmatrix} 1057 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 7, 3, 5) \\
L_{4484} &= \begin{bmatrix} 1057 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 7, 3, 5) \\
L_{4485} &= \begin{bmatrix} 1057 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 7, 4, 5) \\
L_{4486} &= \begin{bmatrix} 1057 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 7, 4, 5) \\
L_{4487} &= \begin{bmatrix} 1057 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 7, 4, 5) \\
L_{4488} &= \begin{bmatrix} 1057 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 7, 4, 5) \\
L_{4489} &= \begin{bmatrix} 1057 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 7, 4, 5) \\
L_{4490} &= \begin{bmatrix} 1057 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 7, 4, 5) \\
L_{4491} &= \begin{bmatrix} 1057 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 7, 4, 5) \\
L_{4492} &= \begin{bmatrix} 1057 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 7, 4, 5) \\
L_{4493} &= \begin{bmatrix} 1057 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 7, 5, 5) \\
L_{4494} &= \begin{bmatrix} 1057 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 7, 5, 5) \\
L_{4495} &= \begin{bmatrix} 1057 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 7, 5, 5) \\
L_{4496} &= \begin{bmatrix} 1057 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 7, 5, 5) \\
L_{4497} &= \begin{bmatrix} 1057 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 7, 5, 5) \\
L_{4498} &= \begin{bmatrix} 1057 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 7, 5, 5) \\
L_{4499} &= \begin{bmatrix} 1057 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 7, 5, 5) \\
L_{4500} &= \begin{bmatrix} 1057 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 7, 5, 5) \\
L_{4501} &= \begin{bmatrix} 1057 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 7, 6, 5) \\
L_{4502} &= \begin{bmatrix} 1057 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 7, 6, 5) \\
L_{4503} &= \begin{bmatrix} 1057 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 7, 6, 5)
\end{aligned}$$

$$\begin{aligned}
L_{4504} &= \begin{bmatrix} 1057 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 7, 6, 5) \\
L_{4505} &= \begin{bmatrix} 1057 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 7, 6, 5) \\
L_{4506} &= \begin{bmatrix} 1057 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 7, 6, 5) \\
L_{4507} &= \begin{bmatrix} 1057 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 7, 6, 5) \\
L_{4508} &= \begin{bmatrix} 1057 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 7, 6, 5) \\
L_{4509} &= \begin{bmatrix} 1057 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 7, 7, 5) \\
L_{4510} &= \begin{bmatrix} 1057 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 7, 7, 5) \\
L_{4511} &= \begin{bmatrix} 1057 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 7, 7, 5) \\
L_{4512} &= \begin{bmatrix} 1057 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 7, 7, 5) \\
L_{4513} &= \begin{bmatrix} 1057 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 7, 7, 5) \\
L_{4514} &= \begin{bmatrix} 1057 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 7, 7, 5) \\
L_{4515} &= \begin{bmatrix} 1057 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 7, 7, 5) \\
L_{4516} &= \begin{bmatrix} 1057 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 7, 7, 5) \\
L_{4517} &= \begin{bmatrix} 1507 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 0, 0, 5) \\
L_{4518} &= \begin{bmatrix} 1507 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 5, 1, 5) \\
L_{4519} &= \begin{bmatrix} 1507 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 7, 2, 5) \\
L_{4520} &= \begin{bmatrix} 1507 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 2, 3, 5) \\
L_{4521} &= \begin{bmatrix} 1507 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 3, 4, 5) \\
L_{4522} &= \begin{bmatrix} 1507 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 6, 5, 5) \\
L_{4523} &= \begin{bmatrix} 1507 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 4, 6, 5) \\
L_{4524} &= \begin{bmatrix} 1507 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 1, 7, 5)
\end{aligned}$$

$$\begin{aligned}
L_{4525} &= \begin{bmatrix} 1570 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 7, 0, 5, 1, 0) \\
L_{4526} &= \begin{bmatrix} 1067 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 7, 0, 6) \\
L_{4527} &= \begin{bmatrix} 1067 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 7, 0, 6) \\
L_{4528} &= \begin{bmatrix} 1067 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 7, 0, 6) \\
L_{4529} &= \begin{bmatrix} 1067 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 7, 0, 6) \\
L_{4530} &= \begin{bmatrix} 1067 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 7, 0, 6) \\
L_{4531} &= \begin{bmatrix} 1067 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 7, 0, 6) \\
L_{4532} &= \begin{bmatrix} 1067 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 7, 0, 6) \\
L_{4533} &= \begin{bmatrix} 1067 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 7, 0, 6) \\
L_{4534} &= \begin{bmatrix} 1067 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 7, 1, 6) \\
L_{4535} &= \begin{bmatrix} 1067 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 7, 1, 6) \\
L_{4536} &= \begin{bmatrix} 1067 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 7, 1, 6) \\
L_{4537} &= \begin{bmatrix} 1067 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 7, 1, 6) \\
L_{4538} &= \begin{bmatrix} 1067 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 7, 1, 6) \\
L_{4539} &= \begin{bmatrix} 1067 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 7, 1, 6) \\
L_{4540} &= \begin{bmatrix} 1067 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 7, 1, 6) \\
L_{4541} &= \begin{bmatrix} 1067 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 7, 1, 6) \\
L_{4542} &= \begin{bmatrix} 1067 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 7, 2, 6) \\
L_{4543} &= \begin{bmatrix} 1067 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 7, 2, 6) \\
L_{4544} &= \begin{bmatrix} 1067 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 7, 2, 6) \\
L_{4545} &= \begin{bmatrix} 1067 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 7, 2, 6)
\end{aligned}$$

$$\begin{aligned}
L_{4546} &= \begin{bmatrix} 1067 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 7, 2, 6) \\
L_{4547} &= \begin{bmatrix} 1067 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 7, 2, 6) \\
L_{4548} &= \begin{bmatrix} 1067 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 7, 2, 6) \\
L_{4549} &= \begin{bmatrix} 1067 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 7, 2, 6) \\
L_{4550} &= \begin{bmatrix} 1067 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 7, 3, 6) \\
L_{4551} &= \begin{bmatrix} 1067 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 7, 3, 6) \\
L_{4552} &= \begin{bmatrix} 1067 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 7, 3, 6) \\
L_{4553} &= \begin{bmatrix} 1067 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 7, 3, 6) \\
L_{4554} &= \begin{bmatrix} 1067 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 7, 3, 6) \\
L_{4555} &= \begin{bmatrix} 1067 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 7, 3, 6) \\
L_{4556} &= \begin{bmatrix} 1067 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 7, 3, 6) \\
L_{4557} &= \begin{bmatrix} 1067 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 7, 3, 6) \\
L_{4558} &= \begin{bmatrix} 1067 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 7, 4, 6) \\
L_{4559} &= \begin{bmatrix} 1067 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 7, 4, 6) \\
L_{4560} &= \begin{bmatrix} 1067 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 7, 4, 6) \\
L_{4561} &= \begin{bmatrix} 1067 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 7, 4, 6) \\
L_{4562} &= \begin{bmatrix} 1067 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 7, 4, 6) \\
L_{4563} &= \begin{bmatrix} 1067 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 7, 4, 6) \\
L_{4564} &= \begin{bmatrix} 1067 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 7, 4, 6) \\
L_{4565} &= \begin{bmatrix} 1067 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 7, 4, 6) \\
L_{4566} &= \begin{bmatrix} 1067 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 7, 5, 6)
\end{aligned}$$

$$\begin{aligned}
L_{4567} &= \begin{bmatrix} 1067 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 7, 5, 6) \\
L_{4568} &= \begin{bmatrix} 1067 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 7, 5, 6) \\
L_{4569} &= \begin{bmatrix} 1067 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 7, 5, 6) \\
L_{4570} &= \begin{bmatrix} 1067 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 7, 5, 6) \\
L_{4571} &= \begin{bmatrix} 1067 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 7, 5, 6) \\
L_{4572} &= \begin{bmatrix} 1067 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 7, 5, 6) \\
L_{4573} &= \begin{bmatrix} 1067 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 7, 5, 6) \\
L_{4574} &= \begin{bmatrix} 1067 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 7, 6, 6) \\
L_{4575} &= \begin{bmatrix} 1067 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 7, 6, 6) \\
L_{4576} &= \begin{bmatrix} 1067 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 7, 6, 6) \\
L_{4577} &= \begin{bmatrix} 1067 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 7, 6, 6) \\
L_{4578} &= \begin{bmatrix} 1067 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 7, 6, 6) \\
L_{4579} &= \begin{bmatrix} 1067 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 7, 6, 6) \\
L_{4580} &= \begin{bmatrix} 1067 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 7, 6, 6) \\
L_{4581} &= \begin{bmatrix} 1067 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 7, 6, 6) \\
L_{4582} &= \begin{bmatrix} 1067 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 7, 7, 6) \\
L_{4583} &= \begin{bmatrix} 1067 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 7, 7, 6) \\
L_{4584} &= \begin{bmatrix} 1067 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 7, 7, 6) \\
L_{4585} &= \begin{bmatrix} 1067 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 7, 7, 6) \\
L_{4586} &= \begin{bmatrix} 1067 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 7, 7, 6) \\
L_{4587} &= \begin{bmatrix} 1067 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 7, 7, 6)
\end{aligned}$$

$$\begin{aligned}
L_{4588} &= \begin{bmatrix} 1067 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 7, 7, 6) \\
L_{4589} &= \begin{bmatrix} 1067 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 7, 7, 6) \\
L_{4590} &= \begin{bmatrix} 1607 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 0, 0, 6) \\
L_{4591} &= \begin{bmatrix} 1607 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 6, 1, 6) \\
L_{4592} &= \begin{bmatrix} 1607 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 1, 2, 6) \\
L_{4593} &= \begin{bmatrix} 1607 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 7, 3, 6) \\
L_{4594} &= \begin{bmatrix} 1607 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 2, 4, 6) \\
L_{4595} &= \begin{bmatrix} 1607 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 4, 5, 6) \\
L_{4596} &= \begin{bmatrix} 1607 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 3, 6, 6) \\
L_{4597} &= \begin{bmatrix} 1607 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 5, 7, 6) \\
L_{4598} &= \begin{bmatrix} 1670 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 7, 0, 6, 1, 0) \\
L_{4599} &= \begin{bmatrix} 1077 \\ 0100 \end{bmatrix} = \mathbf{Pl}(1, 0, 0, 7, 0, 7) \\
L_{4600} &= \begin{bmatrix} 1077 \\ 0110 \end{bmatrix} = \mathbf{Pl}(1, 7, 1, 7, 0, 7) \\
L_{4601} &= \begin{bmatrix} 1077 \\ 0120 \end{bmatrix} = \mathbf{Pl}(1, 3, 2, 7, 0, 7) \\
L_{4602} &= \begin{bmatrix} 1077 \\ 0130 \end{bmatrix} = \mathbf{Pl}(1, 4, 3, 7, 0, 7) \\
L_{4603} &= \begin{bmatrix} 1077 \\ 0140 \end{bmatrix} = \mathbf{Pl}(1, 6, 4, 7, 0, 7) \\
L_{4604} &= \begin{bmatrix} 1077 \\ 0150 \end{bmatrix} = \mathbf{Pl}(1, 1, 5, 7, 0, 7) \\
L_{4605} &= \begin{bmatrix} 1077 \\ 0160 \end{bmatrix} = \mathbf{Pl}(1, 5, 6, 7, 0, 7) \\
L_{4606} &= \begin{bmatrix} 1077 \\ 0170 \end{bmatrix} = \mathbf{Pl}(1, 2, 7, 7, 0, 7) \\
L_{4607} &= \begin{bmatrix} 1077 \\ 0101 \end{bmatrix} = \mathbf{Pl}(1, 7, 0, 7, 1, 7) \\
L_{4608} &= \begin{bmatrix} 1077 \\ 0111 \end{bmatrix} = \mathbf{Pl}(1, 0, 1, 7, 1, 7)
\end{aligned}$$



$$\begin{aligned}
L_{4609} &= \begin{bmatrix} 1077 \\ 0121 \end{bmatrix} = \mathbf{Pl}(1, 4, 2, 7, 1, 7) \\
L_{4610} &= \begin{bmatrix} 1077 \\ 0131 \end{bmatrix} = \mathbf{Pl}(1, 3, 3, 7, 1, 7) \\
L_{4611} &= \begin{bmatrix} 1077 \\ 0141 \end{bmatrix} = \mathbf{Pl}(1, 1, 4, 7, 1, 7) \\
L_{4612} &= \begin{bmatrix} 1077 \\ 0151 \end{bmatrix} = \mathbf{Pl}(1, 6, 5, 7, 1, 7) \\
L_{4613} &= \begin{bmatrix} 1077 \\ 0161 \end{bmatrix} = \mathbf{Pl}(1, 2, 6, 7, 1, 7) \\
L_{4614} &= \begin{bmatrix} 1077 \\ 0171 \end{bmatrix} = \mathbf{Pl}(1, 5, 7, 7, 1, 7) \\
L_{4615} &= \begin{bmatrix} 1077 \\ 0102 \end{bmatrix} = \mathbf{Pl}(1, 3, 0, 7, 2, 7) \\
L_{4616} &= \begin{bmatrix} 1077 \\ 0112 \end{bmatrix} = \mathbf{Pl}(1, 4, 1, 7, 2, 7) \\
L_{4617} &= \begin{bmatrix} 1077 \\ 0122 \end{bmatrix} = \mathbf{Pl}(1, 0, 2, 7, 2, 7) \\
L_{4618} &= \begin{bmatrix} 1077 \\ 0132 \end{bmatrix} = \mathbf{Pl}(1, 7, 3, 7, 2, 7) \\
L_{4619} &= \begin{bmatrix} 1077 \\ 0142 \end{bmatrix} = \mathbf{Pl}(1, 5, 4, 7, 2, 7) \\
L_{4620} &= \begin{bmatrix} 1077 \\ 0152 \end{bmatrix} = \mathbf{Pl}(1, 2, 5, 7, 2, 7) \\
L_{4621} &= \begin{bmatrix} 1077 \\ 0162 \end{bmatrix} = \mathbf{Pl}(1, 6, 6, 7, 2, 7) \\
L_{4622} &= \begin{bmatrix} 1077 \\ 0172 \end{bmatrix} = \mathbf{Pl}(1, 1, 7, 7, 2, 7) \\
L_{4623} &= \begin{bmatrix} 1077 \\ 0103 \end{bmatrix} = \mathbf{Pl}(1, 4, 0, 7, 3, 7) \\
L_{4624} &= \begin{bmatrix} 1077 \\ 0113 \end{bmatrix} = \mathbf{Pl}(1, 3, 1, 7, 3, 7) \\
L_{4625} &= \begin{bmatrix} 1077 \\ 0123 \end{bmatrix} = \mathbf{Pl}(1, 7, 2, 7, 3, 7) \\
L_{4626} &= \begin{bmatrix} 1077 \\ 0133 \end{bmatrix} = \mathbf{Pl}(1, 0, 3, 7, 3, 7) \\
L_{4627} &= \begin{bmatrix} 1077 \\ 0143 \end{bmatrix} = \mathbf{Pl}(1, 2, 4, 7, 3, 7) \\
L_{4628} &= \begin{bmatrix} 1077 \\ 0153 \end{bmatrix} = \mathbf{Pl}(1, 5, 5, 7, 3, 7) \\
L_{4629} &= \begin{bmatrix} 1077 \\ 0163 \end{bmatrix} = \mathbf{Pl}(1, 1, 6, 7, 3, 7)
\end{aligned}$$

$$\begin{aligned}
L_{4630} &= \begin{bmatrix} 1077 \\ 0173 \end{bmatrix} = \mathbf{Pl}(1, 6, 7, 7, 3, 7) \\
L_{4631} &= \begin{bmatrix} 1077 \\ 0104 \end{bmatrix} = \mathbf{Pl}(1, 6, 0, 7, 4, 7) \\
L_{4632} &= \begin{bmatrix} 1077 \\ 0114 \end{bmatrix} = \mathbf{Pl}(1, 1, 1, 7, 4, 7) \\
L_{4633} &= \begin{bmatrix} 1077 \\ 0124 \end{bmatrix} = \mathbf{Pl}(1, 5, 2, 7, 4, 7) \\
L_{4634} &= \begin{bmatrix} 1077 \\ 0134 \end{bmatrix} = \mathbf{Pl}(1, 2, 3, 7, 4, 7) \\
L_{4635} &= \begin{bmatrix} 1077 \\ 0144 \end{bmatrix} = \mathbf{Pl}(1, 0, 4, 7, 4, 7) \\
L_{4636} &= \begin{bmatrix} 1077 \\ 0154 \end{bmatrix} = \mathbf{Pl}(1, 7, 5, 7, 4, 7) \\
L_{4637} &= \begin{bmatrix} 1077 \\ 0164 \end{bmatrix} = \mathbf{Pl}(1, 3, 6, 7, 4, 7) \\
L_{4638} &= \begin{bmatrix} 1077 \\ 0174 \end{bmatrix} = \mathbf{Pl}(1, 4, 7, 7, 4, 7) \\
L_{4639} &= \begin{bmatrix} 1077 \\ 0105 \end{bmatrix} = \mathbf{Pl}(1, 1, 0, 7, 5, 7) \\
L_{4640} &= \begin{bmatrix} 1077 \\ 0115 \end{bmatrix} = \mathbf{Pl}(1, 6, 1, 7, 5, 7) \\
L_{4641} &= \begin{bmatrix} 1077 \\ 0125 \end{bmatrix} = \mathbf{Pl}(1, 2, 2, 7, 5, 7) \\
L_{4642} &= \begin{bmatrix} 1077 \\ 0135 \end{bmatrix} = \mathbf{Pl}(1, 5, 3, 7, 5, 7) \\
L_{4643} &= \begin{bmatrix} 1077 \\ 0145 \end{bmatrix} = \mathbf{Pl}(1, 7, 4, 7, 5, 7) \\
L_{4644} &= \begin{bmatrix} 1077 \\ 0155 \end{bmatrix} = \mathbf{Pl}(1, 0, 5, 7, 5, 7) \\
L_{4645} &= \begin{bmatrix} 1077 \\ 0165 \end{bmatrix} = \mathbf{Pl}(1, 4, 6, 7, 5, 7) \\
L_{4646} &= \begin{bmatrix} 1077 \\ 0175 \end{bmatrix} = \mathbf{Pl}(1, 3, 7, 7, 5, 7) \\
L_{4647} &= \begin{bmatrix} 1077 \\ 0106 \end{bmatrix} = \mathbf{Pl}(1, 5, 0, 7, 6, 7) \\
L_{4648} &= \begin{bmatrix} 1077 \\ 0116 \end{bmatrix} = \mathbf{Pl}(1, 2, 1, 7, 6, 7) \\
L_{4649} &= \begin{bmatrix} 1077 \\ 0126 \end{bmatrix} = \mathbf{Pl}(1, 6, 2, 7, 6, 7) \\
L_{4650} &= \begin{bmatrix} 1077 \\ 0136 \end{bmatrix} = \mathbf{Pl}(1, 1, 3, 7, 6, 7)
\end{aligned}$$

$$\begin{aligned}
L_{4651} &= \begin{bmatrix} 1077 \\ 0146 \end{bmatrix} = \mathbf{Pl}(1, 3, 4, 7, 6, 7) \\
L_{4652} &= \begin{bmatrix} 1077 \\ 0156 \end{bmatrix} = \mathbf{Pl}(1, 4, 5, 7, 6, 7) \\
L_{4653} &= \begin{bmatrix} 1077 \\ 0166 \end{bmatrix} = \mathbf{Pl}(1, 0, 6, 7, 6, 7) \\
L_{4654} &= \begin{bmatrix} 1077 \\ 0176 \end{bmatrix} = \mathbf{Pl}(1, 7, 7, 7, 6, 7) \\
L_{4655} &= \begin{bmatrix} 1077 \\ 0107 \end{bmatrix} = \mathbf{Pl}(1, 2, 0, 7, 7, 7) \\
L_{4656} &= \begin{bmatrix} 1077 \\ 0117 \end{bmatrix} = \mathbf{Pl}(1, 5, 1, 7, 7, 7) \\
L_{4657} &= \begin{bmatrix} 1077 \\ 0127 \end{bmatrix} = \mathbf{Pl}(1, 1, 2, 7, 7, 7) \\
L_{4658} &= \begin{bmatrix} 1077 \\ 0137 \end{bmatrix} = \mathbf{Pl}(1, 6, 3, 7, 7, 7) \\
L_{4659} &= \begin{bmatrix} 1077 \\ 0147 \end{bmatrix} = \mathbf{Pl}(1, 4, 4, 7, 7, 7) \\
L_{4660} &= \begin{bmatrix} 1077 \\ 0157 \end{bmatrix} = \mathbf{Pl}(1, 3, 5, 7, 7, 7) \\
L_{4661} &= \begin{bmatrix} 1077 \\ 0167 \end{bmatrix} = \mathbf{Pl}(1, 7, 6, 7, 7, 7) \\
L_{4662} &= \begin{bmatrix} 1077 \\ 0177 \end{bmatrix} = \mathbf{Pl}(1, 0, 7, 7, 7, 7) \\
L_{4663} &= \begin{bmatrix} 1707 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 0, 0, 7) \\
L_{4664} &= \begin{bmatrix} 1707 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 7, 1, 7) \\
L_{4665} &= \begin{bmatrix} 1707 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 3, 2, 7) \\
L_{4666} &= \begin{bmatrix} 1707 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 4, 3, 7) \\
L_{4667} &= \begin{bmatrix} 1707 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 6, 4, 7) \\
L_{4668} &= \begin{bmatrix} 1707 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 1, 5, 7) \\
L_{4669} &= \begin{bmatrix} 1707 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 5, 6, 7) \\
L_{4670} &= \begin{bmatrix} 1707 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 7, 1, 2, 7, 7) \\
L_{4671} &= \begin{bmatrix} 1770 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 7, 0, 7, 1, 0)
\end{aligned}$$

$$\begin{aligned}
L_{4672} &= \begin{bmatrix} 0100 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 0, 0, 0, 0, 1) \\
L_{4673} &= \begin{bmatrix} 0100 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 0, 0, 1, 0, 1) \\
L_{4674} &= \begin{bmatrix} 0100 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 0, 0, 2, 0, 1) \\
L_{4675} &= \begin{bmatrix} 0100 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 0, 0, 3, 0, 1) \\
L_{4676} &= \begin{bmatrix} 0100 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 0, 0, 4, 0, 1) \\
L_{4677} &= \begin{bmatrix} 0100 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 0, 0, 5, 0, 1) \\
L_{4678} &= \begin{bmatrix} 0100 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 0, 0, 6, 0, 1) \\
L_{4679} &= \begin{bmatrix} 0100 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 0, 0, 7, 0, 1) \\
L_{4680} &= \begin{bmatrix} 0100 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 0, 0, 1, 0, 0) \\
L_{4681} &= \begin{bmatrix} 0101 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 1, 0, 0, 0, 1) \\
L_{4682} &= \begin{bmatrix} 0101 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 1, 0, 1, 0, 1) \\
L_{4683} &= \begin{bmatrix} 0101 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 1, 0, 2, 0, 1) \\
L_{4684} &= \begin{bmatrix} 0101 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 1, 0, 3, 0, 1) \\
L_{4685} &= \begin{bmatrix} 0101 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 1, 0, 4, 0, 1) \\
L_{4686} &= \begin{bmatrix} 0101 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 1, 0, 5, 0, 1) \\
L_{4687} &= \begin{bmatrix} 0101 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 1, 0, 6, 0, 1) \\
L_{4688} &= \begin{bmatrix} 0101 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 1, 0, 7, 0, 1) \\
L_{4689} &= \begin{bmatrix} 0110 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 1, 0, 1, 0, 0) \\
L_{4690} &= \begin{bmatrix} 0102 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 2, 0, 0, 0, 1) \\
L_{4691} &= \begin{bmatrix} 0102 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 2, 0, 1, 0, 1) \\
L_{4692} &= \begin{bmatrix} 0102 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 2, 0, 2, 0, 1)
\end{aligned}$$

$$\begin{aligned}
L_{4693} &= \begin{bmatrix} 0102 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 2, 0, 3, 0, 1) \\
L_{4694} &= \begin{bmatrix} 0102 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 2, 0, 4, 0, 1) \\
L_{4695} &= \begin{bmatrix} 0102 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 2, 0, 5, 0, 1) \\
L_{4696} &= \begin{bmatrix} 0102 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 2, 0, 6, 0, 1) \\
L_{4697} &= \begin{bmatrix} 0102 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 2, 0, 7, 0, 1) \\
L_{4698} &= \begin{bmatrix} 0120 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 2, 0, 1, 0, 0) \\
L_{4699} &= \begin{bmatrix} 0103 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 3, 0, 0, 0, 1) \\
L_{4700} &= \begin{bmatrix} 0103 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 3, 0, 1, 0, 1) \\
L_{4701} &= \begin{bmatrix} 0103 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 3, 0, 2, 0, 1) \\
L_{4702} &= \begin{bmatrix} 0103 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 3, 0, 3, 0, 1) \\
L_{4703} &= \begin{bmatrix} 0103 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 3, 0, 4, 0, 1) \\
L_{4704} &= \begin{bmatrix} 0103 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 3, 0, 5, 0, 1) \\
L_{4705} &= \begin{bmatrix} 0103 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 3, 0, 6, 0, 1) \\
L_{4706} &= \begin{bmatrix} 0103 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 3, 0, 7, 0, 1) \\
L_{4707} &= \begin{bmatrix} 0130 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 3, 0, 1, 0, 0) \\
L_{4708} &= \begin{bmatrix} 0104 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 4, 0, 0, 0, 1) \\
L_{4709} &= \begin{bmatrix} 0104 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 4, 0, 1, 0, 1) \\
L_{4710} &= \begin{bmatrix} 0104 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 4, 0, 2, 0, 1) \\
L_{4711} &= \begin{bmatrix} 0104 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 4, 0, 3, 0, 1) \\
L_{4712} &= \begin{bmatrix} 0104 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 4, 0, 4, 0, 1) \\
L_{4713} &= \begin{bmatrix} 0104 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 4, 0, 5, 0, 1)
\end{aligned}$$

$$\begin{aligned}
L_{4714} &= \begin{bmatrix} 0104 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 4, 0, 6, 0, 1) \\
L_{4715} &= \begin{bmatrix} 0104 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 4, 0, 7, 0, 1) \\
L_{4716} &= \begin{bmatrix} 0140 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 4, 0, 1, 0, 0) \\
L_{4717} &= \begin{bmatrix} 0105 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 5, 0, 0, 0, 1) \\
L_{4718} &= \begin{bmatrix} 0105 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 5, 0, 1, 0, 1) \\
L_{4719} &= \begin{bmatrix} 0105 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 5, 0, 2, 0, 1) \\
L_{4720} &= \begin{bmatrix} 0105 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 5, 0, 3, 0, 1) \\
L_{4721} &= \begin{bmatrix} 0105 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 5, 0, 4, 0, 1) \\
L_{4722} &= \begin{bmatrix} 0105 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 5, 0, 5, 0, 1) \\
L_{4723} &= \begin{bmatrix} 0105 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 5, 0, 6, 0, 1) \\
L_{4724} &= \begin{bmatrix} 0105 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 5, 0, 7, 0, 1) \\
L_{4725} &= \begin{bmatrix} 0150 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 5, 0, 1, 0, 0) \\
L_{4726} &= \begin{bmatrix} 0106 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 6, 0, 0, 0, 1) \\
L_{4727} &= \begin{bmatrix} 0106 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 6, 0, 1, 0, 1) \\
L_{4728} &= \begin{bmatrix} 0106 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 6, 0, 2, 0, 1) \\
L_{4729} &= \begin{bmatrix} 0106 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 6, 0, 3, 0, 1) \\
L_{4730} &= \begin{bmatrix} 0106 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 6, 0, 4, 0, 1) \\
L_{4731} &= \begin{bmatrix} 0106 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 6, 0, 5, 0, 1) \\
L_{4732} &= \begin{bmatrix} 0106 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 6, 0, 6, 0, 1) \\
L_{4733} &= \begin{bmatrix} 0106 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 6, 0, 7, 0, 1) \\
L_{4734} &= \begin{bmatrix} 0160 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 6, 0, 1, 0, 0)
\end{aligned}$$

$$L_{4735} = \begin{bmatrix} 0107 \\ 0010 \end{bmatrix} = \mathbf{Pl}(0, 7, 0, 0, 0, 1)$$

$$L_{4736} = \begin{bmatrix} 0107 \\ 0011 \end{bmatrix} = \mathbf{Pl}(0, 7, 0, 1, 0, 1)$$

$$L_{4737} = \begin{bmatrix} 0107 \\ 0012 \end{bmatrix} = \mathbf{Pl}(0, 7, 0, 2, 0, 1)$$

$$L_{4738} = \begin{bmatrix} 0107 \\ 0013 \end{bmatrix} = \mathbf{Pl}(0, 7, 0, 3, 0, 1)$$

$$L_{4739} = \begin{bmatrix} 0107 \\ 0014 \end{bmatrix} = \mathbf{Pl}(0, 7, 0, 4, 0, 1)$$

$$L_{4740} = \begin{bmatrix} 0107 \\ 0015 \end{bmatrix} = \mathbf{Pl}(0, 7, 0, 5, 0, 1)$$

$$L_{4741} = \begin{bmatrix} 0107 \\ 0016 \end{bmatrix} = \mathbf{Pl}(0, 7, 0, 6, 0, 1)$$

$$L_{4742} = \begin{bmatrix} 0107 \\ 0017 \end{bmatrix} = \mathbf{Pl}(0, 7, 0, 7, 0, 1)$$

$$L_{4743} = \begin{bmatrix} 0170 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 7, 0, 1, 0, 0)$$

$$L_{4744} = \begin{bmatrix} 0010 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 1, 0, 0, 0, 0)$$

Lines sorted by Pluecker coordinates

$$0 = \mathbf{Pl}(1, 0, 0, 0, 0, 0) = L_0 = \begin{bmatrix} 1000 \\ 0100 \end{bmatrix}$$

$$1 = \mathbf{Pl}(0, 1, 0, 0, 0, 0) = L_{4744} = \begin{bmatrix} 0010 \\ 0001 \end{bmatrix}$$

$$2 = \mathbf{Pl}(0, 0, 1, 0, 0, 0) = L_{64} = \begin{bmatrix} 1000 \\ 0010 \end{bmatrix}$$

$$3 = \mathbf{Pl}(0, 0, 0, 1, 0, 0) = L_{4680} = \begin{bmatrix} 0100 \\ 0001 \end{bmatrix}$$

$$4 = \mathbf{Pl}(0, 0, 0, 0, 1, 0) = L_{72} = \begin{bmatrix} 1000 \\ 0001 \end{bmatrix}$$

$$5 = \mathbf{Pl}(0, 0, 0, 0, 0, 1) = L_{4672} = \begin{bmatrix} 0100 \\ 0010 \end{bmatrix}$$

$$6 = \mathbf{Pl}(1, 0, 1, 0, 0, 0) = L_1 = \begin{bmatrix} 1000 \\ 0110 \end{bmatrix}$$

$$7 = \mathbf{Pl}(2, 0, 1, 0, 0, 0) = L_6 = \begin{bmatrix} 1000 \\ 0160 \end{bmatrix}$$

$$8 = \mathbf{Pl}(3, 0, 1, 0, 0, 0) = L_4 = \begin{bmatrix} 1000 \\ 0140 \end{bmatrix}$$

$$9 = \mathbf{Pl}(4, 0, 1, 0, 0, 0) = L_3 = \begin{bmatrix} 1000 \\ 0130 \end{bmatrix}$$

$$10 = \mathbf{Pl}(5, 0, 1, 0, 0, 0) = L_7 = \begin{bmatrix} 1000 \\ 0170 \end{bmatrix}$$

$$\begin{aligned}
11 &= \mathbf{PI}(6, 0, 1, 0, 0, 0) = L_2 = \begin{bmatrix} 1000 \\ 0120 \end{bmatrix} \\
12 &= \mathbf{PI}(7, 0, 1, 0, 0, 0) = L_5 = \begin{bmatrix} 1000 \\ 0150 \end{bmatrix} \\
13 &= \mathbf{PI}(0, 1, 1, 0, 0, 0) = L_{648} = \begin{bmatrix} 1001 \\ 0010 \end{bmatrix} \\
14 &= \mathbf{PI}(0, 2, 1, 0, 0, 0) = L_{1232} = \begin{bmatrix} 1002 \\ 0010 \end{bmatrix} \\
15 &= \mathbf{PI}(0, 3, 1, 0, 0, 0) = L_{1816} = \begin{bmatrix} 1003 \\ 0010 \end{bmatrix} \\
16 &= \mathbf{PI}(0, 4, 1, 0, 0, 0) = L_{2400} = \begin{bmatrix} 1004 \\ 0010 \end{bmatrix} \\
17 &= \mathbf{PI}(0, 5, 1, 0, 0, 0) = L_{2984} = \begin{bmatrix} 1005 \\ 0010 \end{bmatrix} \\
18 &= \mathbf{PI}(0, 6, 1, 0, 0, 0) = L_{3568} = \begin{bmatrix} 1006 \\ 0010 \end{bmatrix} \\
19 &= \mathbf{PI}(0, 7, 1, 0, 0, 0) = L_{4152} = \begin{bmatrix} 1007 \\ 0010 \end{bmatrix} \\
20 &= \mathbf{PI}(1, 0, 0, 1, 0, 0) = L_{584} = \begin{bmatrix} 1001 \\ 0100 \end{bmatrix} \\
21 &= \mathbf{PI}(2, 0, 0, 1, 0, 0) = L_{3504} = \begin{bmatrix} 1006 \\ 0100 \end{bmatrix} \\
22 &= \mathbf{PI}(3, 0, 0, 1, 0, 0) = L_{2336} = \begin{bmatrix} 1004 \\ 0100 \end{bmatrix} \\
23 &= \mathbf{PI}(4, 0, 0, 1, 0, 0) = L_{1752} = \begin{bmatrix} 1003 \\ 0100 \end{bmatrix} \\
24 &= \mathbf{PI}(5, 0, 0, 1, 0, 0) = L_{4088} = \begin{bmatrix} 1007 \\ 0100 \end{bmatrix} \\
25 &= \mathbf{PI}(6, 0, 0, 1, 0, 0) = L_{1168} = \begin{bmatrix} 1002 \\ 0100 \end{bmatrix} \\
26 &= \mathbf{PI}(7, 0, 0, 1, 0, 0) = L_{2920} = \begin{bmatrix} 1005 \\ 0100 \end{bmatrix} \\
27 &= \mathbf{PI}(0, 1, 0, 1, 0, 0) = L_{4689} = \begin{bmatrix} 0110 \\ 0001 \end{bmatrix} \\
28 &= \mathbf{PI}(0, 2, 0, 1, 0, 0) = L_{4698} = \begin{bmatrix} 0120 \\ 0001 \end{bmatrix} \\
29 &= \mathbf{PI}(0, 3, 0, 1, 0, 0) = L_{4707} = \begin{bmatrix} 0130 \\ 0001 \end{bmatrix} \\
30 &= \mathbf{PI}(0, 4, 0, 1, 0, 0) = L_{4716} = \begin{bmatrix} 0140 \\ 0001 \end{bmatrix} \\
31 &= \mathbf{PI}(0, 5, 0, 1, 0, 0) = L_{4725} = \begin{bmatrix} 0150 \\ 0001 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
32 &= \mathbf{PI}(0, 6, 0, 1, 0, 0) = L_{4734} = \begin{bmatrix} 0160 \\ 0001 \end{bmatrix} \\
33 &= \mathbf{PI}(0, 7, 0, 1, 0, 0) = L_{4743} = \begin{bmatrix} 0170 \\ 0001 \end{bmatrix} \\
34 &= \mathbf{PI}(1, 1, 1, 1, 0, 0) = L_{585} = \begin{bmatrix} 1001 \\ 0110 \end{bmatrix} \\
35 &= \mathbf{PI}(6, 2, 1, 1, 0, 0) = L_{1170} = \begin{bmatrix} 1002 \\ 0120 \end{bmatrix} \\
36 &= \mathbf{PI}(4, 3, 1, 1, 0, 0) = L_{1755} = \begin{bmatrix} 1003 \\ 0130 \end{bmatrix} \\
37 &= \mathbf{PI}(3, 4, 1, 1, 0, 0) = L_{2340} = \begin{bmatrix} 1004 \\ 0140 \end{bmatrix} \\
38 &= \mathbf{PI}(7, 5, 1, 1, 0, 0) = L_{2925} = \begin{bmatrix} 1005 \\ 0150 \end{bmatrix} \\
39 &= \mathbf{PI}(2, 6, 1, 1, 0, 0) = L_{3510} = \begin{bmatrix} 1006 \\ 0160 \end{bmatrix} \\
40 &= \mathbf{PI}(5, 7, 1, 1, 0, 0) = L_{4095} = \begin{bmatrix} 1007 \\ 0170 \end{bmatrix} \\
41 &= \mathbf{PI}(2, 1, 2, 1, 0, 0) = L_{3505} = \begin{bmatrix} 1006 \\ 0110 \end{bmatrix} \\
42 &= \mathbf{PI}(1, 2, 2, 1, 0, 0) = L_{586} = \begin{bmatrix} 1001 \\ 0120 \end{bmatrix} \\
43 &= \mathbf{PI}(5, 3, 2, 1, 0, 0) = L_{4091} = \begin{bmatrix} 1007 \\ 0130 \end{bmatrix} \\
44 &= \mathbf{PI}(6, 4, 2, 1, 0, 0) = L_{1172} = \begin{bmatrix} 1002 \\ 0140 \end{bmatrix} \\
45 &= \mathbf{PI}(3, 5, 2, 1, 0, 0) = L_{2341} = \begin{bmatrix} 1004 \\ 0150 \end{bmatrix} \\
46 &= \mathbf{PI}(4, 6, 2, 1, 0, 0) = L_{1758} = \begin{bmatrix} 1003 \\ 0160 \end{bmatrix} \\
47 &= \mathbf{PI}(7, 7, 2, 1, 0, 0) = L_{2927} = \begin{bmatrix} 1005 \\ 0170 \end{bmatrix} \\
48 &= \mathbf{PI}(3, 1, 3, 1, 0, 0) = L_{2337} = \begin{bmatrix} 1004 \\ 0110 \end{bmatrix} \\
49 &= \mathbf{PI}(7, 2, 3, 1, 0, 0) = L_{2922} = \begin{bmatrix} 1005 \\ 0120 \end{bmatrix} \\
50 &= \mathbf{PI}(1, 3, 3, 1, 0, 0) = L_{587} = \begin{bmatrix} 1001 \\ 0130 \end{bmatrix} \\
51 &= \mathbf{PI}(5, 4, 3, 1, 0, 0) = L_{4092} = \begin{bmatrix} 1007 \\ 0140 \end{bmatrix} \\
52 &= \mathbf{PI}(4, 5, 3, 1, 0, 0) = L_{1757} = \begin{bmatrix} 1003 \\ 0150 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
53 &= \mathbf{PI}(6, 6, 3, 1, 0, 0) = L_{1174} = \begin{bmatrix} 1002 \\ 0160 \end{bmatrix} \\
54 &= \mathbf{PI}(2, 7, 3, 1, 0, 0) = L_{3511} = \begin{bmatrix} 1006 \\ 0170 \end{bmatrix} \\
55 &= \mathbf{PI}(4, 1, 4, 1, 0, 0) = L_{1753} = \begin{bmatrix} 1003 \\ 0110 \end{bmatrix} \\
56 &= \mathbf{PI}(2, 2, 4, 1, 0, 0) = L_{3506} = \begin{bmatrix} 1006 \\ 0120 \end{bmatrix} \\
57 &= \mathbf{PI}(7, 3, 4, 1, 0, 0) = L_{2923} = \begin{bmatrix} 1005 \\ 0130 \end{bmatrix} \\
58 &= \mathbf{PI}(1, 4, 4, 1, 0, 0) = L_{588} = \begin{bmatrix} 1001 \\ 0140 \end{bmatrix} \\
59 &= \mathbf{PI}(6, 5, 4, 1, 0, 0) = L_{1173} = \begin{bmatrix} 1002 \\ 0150 \end{bmatrix} \\
60 &= \mathbf{PI}(5, 6, 4, 1, 0, 0) = L_{4094} = \begin{bmatrix} 1007 \\ 0160 \end{bmatrix} \\
61 &= \mathbf{PI}(3, 7, 4, 1, 0, 0) = L_{2343} = \begin{bmatrix} 1004 \\ 0170 \end{bmatrix} \\
62 &= \mathbf{PI}(5, 1, 5, 1, 0, 0) = L_{4089} = \begin{bmatrix} 1007 \\ 0110 \end{bmatrix} \\
63 &= \mathbf{PI}(4, 2, 5, 1, 0, 0) = L_{1754} = \begin{bmatrix} 1003 \\ 0120 \end{bmatrix} \\
64 &= \mathbf{PI}(3, 3, 5, 1, 0, 0) = L_{2339} = \begin{bmatrix} 1004 \\ 0130 \end{bmatrix} \\
65 &= \mathbf{PI}(2, 4, 5, 1, 0, 0) = L_{3508} = \begin{bmatrix} 1006 \\ 0140 \end{bmatrix} \\
66 &= \mathbf{PI}(1, 5, 5, 1, 0, 0) = L_{589} = \begin{bmatrix} 1001 \\ 0150 \end{bmatrix} \\
67 &= \mathbf{PI}(7, 6, 5, 1, 0, 0) = L_{2926} = \begin{bmatrix} 1005 \\ 0160 \end{bmatrix} \\
68 &= \mathbf{PI}(6, 7, 5, 1, 0, 0) = L_{1175} = \begin{bmatrix} 1002 \\ 0170 \end{bmatrix} \\
69 &= \mathbf{PI}(6, 1, 6, 1, 0, 0) = L_{1169} = \begin{bmatrix} 1002 \\ 0110 \end{bmatrix} \\
70 &= \mathbf{PI}(3, 2, 6, 1, 0, 0) = L_{2338} = \begin{bmatrix} 1004 \\ 0120 \end{bmatrix} \\
71 &= \mathbf{PI}(2, 3, 6, 1, 0, 0) = L_{3507} = \begin{bmatrix} 1006 \\ 0130 \end{bmatrix} \\
72 &= \mathbf{PI}(7, 4, 6, 1, 0, 0) = L_{2924} = \begin{bmatrix} 1005 \\ 0140 \end{bmatrix} \\
73 &= \mathbf{PI}(5, 5, 6, 1, 0, 0) = L_{4093} = \begin{bmatrix} 1007 \\ 0150 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
74 &= \mathbf{PI}(1, 6, 6, 1, 0, 0) = L_{590} = \begin{bmatrix} 1001 \\ 0160 \end{bmatrix} \\
75 &= \mathbf{PI}(4, 7, 6, 1, 0, 0) = L_{1759} = \begin{bmatrix} 1003 \\ 0170 \end{bmatrix} \\
76 &= \mathbf{PI}(7, 1, 7, 1, 0, 0) = L_{2921} = \begin{bmatrix} 1005 \\ 0110 \end{bmatrix} \\
77 &= \mathbf{PI}(5, 2, 7, 1, 0, 0) = L_{4090} = \begin{bmatrix} 1007 \\ 0120 \end{bmatrix} \\
78 &= \mathbf{PI}(6, 3, 7, 1, 0, 0) = L_{1171} = \begin{bmatrix} 1002 \\ 0130 \end{bmatrix} \\
79 &= \mathbf{PI}(4, 4, 7, 1, 0, 0) = L_{1756} = \begin{bmatrix} 1003 \\ 0140 \end{bmatrix} \\
80 &= \mathbf{PI}(2, 5, 7, 1, 0, 0) = L_{3509} = \begin{bmatrix} 1006 \\ 0150 \end{bmatrix} \\
81 &= \mathbf{PI}(3, 6, 7, 1, 0, 0) = L_{2342} = \begin{bmatrix} 1004 \\ 0160 \end{bmatrix} \\
82 &= \mathbf{PI}(1, 7, 7, 1, 0, 0) = L_{591} = \begin{bmatrix} 1001 \\ 0170 \end{bmatrix} \\
83 &= \mathbf{PI}(1, 0, 0, 0, 1, 0) = L_8 = \begin{bmatrix} 1000 \\ 0101 \end{bmatrix} \\
84 &= \mathbf{PI}(2, 0, 0, 0, 1, 0) = L_{48} = \begin{bmatrix} 1000 \\ 0106 \end{bmatrix} \\
85 &= \mathbf{PI}(3, 0, 0, 0, 1, 0) = L_{32} = \begin{bmatrix} 1000 \\ 0104 \end{bmatrix} \\
86 &= \mathbf{PI}(4, 0, 0, 0, 1, 0) = L_{24} = \begin{bmatrix} 1000 \\ 0103 \end{bmatrix} \\
87 &= \mathbf{PI}(5, 0, 0, 0, 1, 0) = L_{56} = \begin{bmatrix} 1000 \\ 0107 \end{bmatrix} \\
88 &= \mathbf{PI}(6, 0, 0, 0, 1, 0) = L_{16} = \begin{bmatrix} 1000 \\ 0102 \end{bmatrix} \\
89 &= \mathbf{PI}(7, 0, 0, 0, 1, 0) = L_{40} = \begin{bmatrix} 1000 \\ 0105 \end{bmatrix} \\
90 &= \mathbf{PI}(0, 1, 0, 0, 1, 0) = L_{656} = \begin{bmatrix} 1010 \\ 0001 \end{bmatrix} \\
91 &= \mathbf{PI}(0, 2, 0, 0, 1, 0) = L_{1240} = \begin{bmatrix} 1020 \\ 0001 \end{bmatrix} \\
92 &= \mathbf{PI}(0, 3, 0, 0, 1, 0) = L_{1824} = \begin{bmatrix} 1030 \\ 0001 \end{bmatrix} \\
93 &= \mathbf{PI}(0, 4, 0, 0, 1, 0) = L_{2408} = \begin{bmatrix} 1040 \\ 0001 \end{bmatrix} \\
94 &= \mathbf{PI}(0, 5, 0, 0, 1, 0) = L_{2992} = \begin{bmatrix} 1050 \\ 0001 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
95 &= \mathbf{PI}(0, 6, 0, 0, 1, 0) = L_{3576} = \begin{bmatrix} 1060 \\ 0001 \end{bmatrix} \\
96 &= \mathbf{PI}(0, 7, 0, 0, 1, 0) = L_{4160} = \begin{bmatrix} 1070 \\ 0001 \end{bmatrix} \\
97 &= \mathbf{PI}(0, 0, 1, 0, 1, 0) = L_{65} = \begin{bmatrix} 1000 \\ 0011 \end{bmatrix} \\
98 &= \mathbf{PI}(1, 0, 1, 0, 1, 0) = L_9 = \begin{bmatrix} 1000 \\ 0111 \end{bmatrix} \\
99 &= \mathbf{PI}(2, 0, 1, 0, 1, 0) = L_{54} = \begin{bmatrix} 1000 \\ 0166 \end{bmatrix} \\
100 &= \mathbf{PI}(3, 0, 1, 0, 1, 0) = L_{36} = \begin{bmatrix} 1000 \\ 0144 \end{bmatrix} \\
101 &= \mathbf{PI}(4, 0, 1, 0, 1, 0) = L_{27} = \begin{bmatrix} 1000 \\ 0133 \end{bmatrix} \\
102 &= \mathbf{PI}(5, 0, 1, 0, 1, 0) = L_{63} = \begin{bmatrix} 1000 \\ 0177 \end{bmatrix} \\
103 &= \mathbf{PI}(6, 0, 1, 0, 1, 0) = L_{18} = \begin{bmatrix} 1000 \\ 0122 \end{bmatrix} \\
104 &= \mathbf{PI}(7, 0, 1, 0, 1, 0) = L_{45} = \begin{bmatrix} 1000 \\ 0155 \end{bmatrix} \\
105 &= \mathbf{PI}(0, 1, 1, 0, 1, 0) = L_{649} = \begin{bmatrix} 1001 \\ 0011 \end{bmatrix} \\
106 &= \mathbf{PI}(0, 2, 1, 0, 1, 0) = L_{1233} = \begin{bmatrix} 1002 \\ 0011 \end{bmatrix} \\
107 &= \mathbf{PI}(0, 3, 1, 0, 1, 0) = L_{1817} = \begin{bmatrix} 1003 \\ 0011 \end{bmatrix} \\
108 &= \mathbf{PI}(0, 4, 1, 0, 1, 0) = L_{2401} = \begin{bmatrix} 1004 \\ 0011 \end{bmatrix} \\
109 &= \mathbf{PI}(0, 5, 1, 0, 1, 0) = L_{2985} = \begin{bmatrix} 1005 \\ 0011 \end{bmatrix} \\
110 &= \mathbf{PI}(0, 6, 1, 0, 1, 0) = L_{3569} = \begin{bmatrix} 1006 \\ 0011 \end{bmatrix} \\
111 &= \mathbf{PI}(0, 7, 1, 0, 1, 0) = L_{4153} = \begin{bmatrix} 1007 \\ 0011 \end{bmatrix} \\
112 &= \mathbf{PI}(0, 0, 2, 0, 1, 0) = L_{70} = \begin{bmatrix} 1000 \\ 0016 \end{bmatrix} \\
113 &= \mathbf{PI}(1, 0, 2, 0, 1, 0) = L_{10} = \begin{bmatrix} 1000 \\ 0121 \end{bmatrix} \\
114 &= \mathbf{PI}(2, 0, 2, 0, 1, 0) = L_{49} = \begin{bmatrix} 1000 \\ 0116 \end{bmatrix} \\
115 &= \mathbf{PI}(3, 0, 2, 0, 1, 0) = L_{37} = \begin{bmatrix} 1000 \\ 0154 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
116 &= \mathbf{PI}(4, 0, 2, 0, 1, 0) = L_{30} = \begin{bmatrix} 1000 \\ 0163 \end{bmatrix} \\
117 &= \mathbf{PI}(5, 0, 2, 0, 1, 0) = L_{59} = \begin{bmatrix} 1000 \\ 0137 \end{bmatrix} \\
118 &= \mathbf{PI}(6, 0, 2, 0, 1, 0) = L_{20} = \begin{bmatrix} 1000 \\ 0142 \end{bmatrix} \\
119 &= \mathbf{PI}(7, 0, 2, 0, 1, 0) = L_{47} = \begin{bmatrix} 1000 \\ 0175 \end{bmatrix} \\
120 &= \mathbf{PI}(0, 1, 2, 0, 1, 0) = L_{3574} = \begin{bmatrix} 1006 \\ 0016 \end{bmatrix} \\
121 &= \mathbf{PI}(0, 2, 2, 0, 1, 0) = L_{654} = \begin{bmatrix} 1001 \\ 0016 \end{bmatrix} \\
122 &= \mathbf{PI}(0, 3, 2, 0, 1, 0) = L_{4158} = \begin{bmatrix} 1007 \\ 0016 \end{bmatrix} \\
123 &= \mathbf{PI}(0, 4, 2, 0, 1, 0) = L_{1238} = \begin{bmatrix} 1002 \\ 0016 \end{bmatrix} \\
124 &= \mathbf{PI}(0, 5, 2, 0, 1, 0) = L_{2406} = \begin{bmatrix} 1004 \\ 0016 \end{bmatrix} \\
125 &= \mathbf{PI}(0, 6, 2, 0, 1, 0) = L_{1822} = \begin{bmatrix} 1003 \\ 0016 \end{bmatrix} \\
126 &= \mathbf{PI}(0, 7, 2, 0, 1, 0) = L_{2990} = \begin{bmatrix} 1005 \\ 0016 \end{bmatrix} \\
127 &= \mathbf{PI}(0, 0, 3, 0, 1, 0) = L_{68} = \begin{bmatrix} 1000 \\ 0014 \end{bmatrix} \\
128 &= \mathbf{PI}(1, 0, 3, 0, 1, 0) = L_{11} = \begin{bmatrix} 1000 \\ 0131 \end{bmatrix} \\
129 &= \mathbf{PI}(2, 0, 3, 0, 1, 0) = L_{55} = \begin{bmatrix} 1000 \\ 0176 \end{bmatrix} \\
130 &= \mathbf{PI}(3, 0, 3, 0, 1, 0) = L_{33} = \begin{bmatrix} 1000 \\ 0114 \end{bmatrix} \\
131 &= \mathbf{PI}(4, 0, 3, 0, 1, 0) = L_{29} = \begin{bmatrix} 1000 \\ 0153 \end{bmatrix} \\
132 &= \mathbf{PI}(5, 0, 3, 0, 1, 0) = L_{60} = \begin{bmatrix} 1000 \\ 0147 \end{bmatrix} \\
133 &= \mathbf{PI}(6, 0, 3, 0, 1, 0) = L_{22} = \begin{bmatrix} 1000 \\ 0162 \end{bmatrix} \\
134 &= \mathbf{PI}(7, 0, 3, 0, 1, 0) = L_{42} = \begin{bmatrix} 1000 \\ 0125 \end{bmatrix} \\
135 &= \mathbf{PI}(0, 1, 3, 0, 1, 0) = L_{2404} = \begin{bmatrix} 1004 \\ 0014 \end{bmatrix} \\
136 &= \mathbf{PI}(0, 2, 3, 0, 1, 0) = L_{2988} = \begin{bmatrix} 1005 \\ 0014 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
137 &= \mathbf{PI}(0, 3, 3, 0, 1, 0) = L_{652} = \begin{bmatrix} 1001 \\ 0014 \end{bmatrix} \\
138 &= \mathbf{PI}(0, 4, 3, 0, 1, 0) = L_{4156} = \begin{bmatrix} 1007 \\ 0014 \end{bmatrix} \\
139 &= \mathbf{PI}(0, 5, 3, 0, 1, 0) = L_{1820} = \begin{bmatrix} 1003 \\ 0014 \end{bmatrix} \\
140 &= \mathbf{PI}(0, 6, 3, 0, 1, 0) = L_{1236} = \begin{bmatrix} 1002 \\ 0014 \end{bmatrix} \\
141 &= \mathbf{PI}(0, 7, 3, 0, 1, 0) = L_{3572} = \begin{bmatrix} 1006 \\ 0014 \end{bmatrix} \\
142 &= \mathbf{PI}(0, 0, 4, 0, 1, 0) = L_{67} = \begin{bmatrix} 1000 \\ 0013 \end{bmatrix} \\
143 &= \mathbf{PI}(1, 0, 4, 0, 1, 0) = L_{12} = \begin{bmatrix} 1000 \\ 0141 \end{bmatrix} \\
144 &= \mathbf{PI}(2, 0, 4, 0, 1, 0) = L_{50} = \begin{bmatrix} 1000 \\ 0126 \end{bmatrix} \\
145 &= \mathbf{PI}(3, 0, 4, 0, 1, 0) = L_{39} = \begin{bmatrix} 1000 \\ 0174 \end{bmatrix} \\
146 &= \mathbf{PI}(4, 0, 4, 0, 1, 0) = L_{25} = \begin{bmatrix} 1000 \\ 0113 \end{bmatrix} \\
147 &= \mathbf{PI}(5, 0, 4, 0, 1, 0) = L_{62} = \begin{bmatrix} 1000 \\ 0167 \end{bmatrix} \\
148 &= \mathbf{PI}(6, 0, 4, 0, 1, 0) = L_{21} = \begin{bmatrix} 1000 \\ 0152 \end{bmatrix} \\
149 &= \mathbf{PI}(7, 0, 4, 0, 1, 0) = L_{43} = \begin{bmatrix} 1000 \\ 0135 \end{bmatrix} \\
150 &= \mathbf{PI}(0, 1, 4, 0, 1, 0) = L_{1819} = \begin{bmatrix} 1003 \\ 0013 \end{bmatrix} \\
151 &= \mathbf{PI}(0, 2, 4, 0, 1, 0) = L_{3571} = \begin{bmatrix} 1006 \\ 0013 \end{bmatrix} \\
152 &= \mathbf{PI}(0, 3, 4, 0, 1, 0) = L_{2987} = \begin{bmatrix} 1005 \\ 0013 \end{bmatrix} \\
153 &= \mathbf{PI}(0, 4, 4, 0, 1, 0) = L_{651} = \begin{bmatrix} 1001 \\ 0013 \end{bmatrix} \\
154 &= \mathbf{PI}(0, 5, 4, 0, 1, 0) = L_{1235} = \begin{bmatrix} 1002 \\ 0013 \end{bmatrix} \\
155 &= \mathbf{PI}(0, 6, 4, 0, 1, 0) = L_{4155} = \begin{bmatrix} 1007 \\ 0013 \end{bmatrix} \\
156 &= \mathbf{PI}(0, 7, 4, 0, 1, 0) = L_{2403} = \begin{bmatrix} 1004 \\ 0013 \end{bmatrix} \\
157 &= \mathbf{PI}(0, 0, 5, 0, 1, 0) = L_{71} = \begin{bmatrix} 1000 \\ 0017 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
158 &= \mathbf{PI}(1, 0, 5, 0, 1, 0) = L_{13} = \begin{bmatrix} 1000 \\ 0151 \end{bmatrix} \\
159 &= \mathbf{PI}(2, 0, 5, 0, 1, 0) = L_{52} = \begin{bmatrix} 1000 \\ 0146 \end{bmatrix} \\
160 &= \mathbf{PI}(3, 0, 5, 0, 1, 0) = L_{35} = \begin{bmatrix} 1000 \\ 0134 \end{bmatrix} \\
161 &= \mathbf{PI}(4, 0, 5, 0, 1, 0) = L_{26} = \begin{bmatrix} 1000 \\ 0123 \end{bmatrix} \\
162 &= \mathbf{PI}(5, 0, 5, 0, 1, 0) = L_{57} = \begin{bmatrix} 1000 \\ 0117 \end{bmatrix} \\
163 &= \mathbf{PI}(6, 0, 5, 0, 1, 0) = L_{23} = \begin{bmatrix} 1000 \\ 0172 \end{bmatrix} \\
164 &= \mathbf{PI}(7, 0, 5, 0, 1, 0) = L_{46} = \begin{bmatrix} 1000 \\ 0165 \end{bmatrix} \\
165 &= \mathbf{PI}(0, 1, 5, 0, 1, 0) = L_{4159} = \begin{bmatrix} 1007 \\ 0017 \end{bmatrix} \\
166 &= \mathbf{PI}(0, 2, 5, 0, 1, 0) = L_{1823} = \begin{bmatrix} 1003 \\ 0017 \end{bmatrix} \\
167 &= \mathbf{PI}(0, 3, 5, 0, 1, 0) = L_{2407} = \begin{bmatrix} 1004 \\ 0017 \end{bmatrix} \\
168 &= \mathbf{PI}(0, 4, 5, 0, 1, 0) = L_{3575} = \begin{bmatrix} 1006 \\ 0017 \end{bmatrix} \\
169 &= \mathbf{PI}(0, 5, 5, 0, 1, 0) = L_{655} = \begin{bmatrix} 1001 \\ 0017 \end{bmatrix} \\
170 &= \mathbf{PI}(0, 6, 5, 0, 1, 0) = L_{2991} = \begin{bmatrix} 1005 \\ 0017 \end{bmatrix} \\
171 &= \mathbf{PI}(0, 7, 5, 0, 1, 0) = L_{1239} = \begin{bmatrix} 1002 \\ 0017 \end{bmatrix} \\
172 &= \mathbf{PI}(0, 0, 6, 0, 1, 0) = L_{66} = \begin{bmatrix} 1000 \\ 0012 \end{bmatrix} \\
173 &= \mathbf{PI}(1, 0, 6, 0, 1, 0) = L_{14} = \begin{bmatrix} 1000 \\ 0161 \end{bmatrix} \\
174 &= \mathbf{PI}(2, 0, 6, 0, 1, 0) = L_{51} = \begin{bmatrix} 1000 \\ 0136 \end{bmatrix} \\
175 &= \mathbf{PI}(3, 0, 6, 0, 1, 0) = L_{34} = \begin{bmatrix} 1000 \\ 0124 \end{bmatrix} \\
176 &= \mathbf{PI}(4, 0, 6, 0, 1, 0) = L_{31} = \begin{bmatrix} 1000 \\ 0173 \end{bmatrix} \\
177 &= \mathbf{PI}(5, 0, 6, 0, 1, 0) = L_{61} = \begin{bmatrix} 1000 \\ 0157 \end{bmatrix} \\
178 &= \mathbf{PI}(6, 0, 6, 0, 1, 0) = L_{17} = \begin{bmatrix} 1000 \\ 0112 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
179 &= \mathbf{PI}(7, 0, 6, 0, 1, 0) = L_{44} = \begin{bmatrix} 1000 \\ 0145 \end{bmatrix} \\
180 &= \mathbf{PI}(0, 1, 6, 0, 1, 0) = L_{1234} = \begin{bmatrix} 1002 \\ 0012 \end{bmatrix} \\
181 &= \mathbf{PI}(0, 2, 6, 0, 1, 0) = L_{2402} = \begin{bmatrix} 1004 \\ 0012 \end{bmatrix} \\
182 &= \mathbf{PI}(0, 3, 6, 0, 1, 0) = L_{3570} = \begin{bmatrix} 1006 \\ 0012 \end{bmatrix} \\
183 &= \mathbf{PI}(0, 4, 6, 0, 1, 0) = L_{2986} = \begin{bmatrix} 1005 \\ 0012 \end{bmatrix} \\
184 &= \mathbf{PI}(0, 5, 6, 0, 1, 0) = L_{4154} = \begin{bmatrix} 1007 \\ 0012 \end{bmatrix} \\
185 &= \mathbf{PI}(0, 6, 6, 0, 1, 0) = L_{650} = \begin{bmatrix} 1001 \\ 0012 \end{bmatrix} \\
186 &= \mathbf{PI}(0, 7, 6, 0, 1, 0) = L_{1818} = \begin{bmatrix} 1003 \\ 0012 \end{bmatrix} \\
187 &= \mathbf{PI}(0, 0, 7, 0, 1, 0) = L_{69} = \begin{bmatrix} 1000 \\ 0015 \end{bmatrix} \\
188 &= \mathbf{PI}(1, 0, 7, 0, 1, 0) = L_{15} = \begin{bmatrix} 1000 \\ 0171 \end{bmatrix} \\
189 &= \mathbf{PI}(2, 0, 7, 0, 1, 0) = L_{53} = \begin{bmatrix} 1000 \\ 0156 \end{bmatrix} \\
190 &= \mathbf{PI}(3, 0, 7, 0, 1, 0) = L_{38} = \begin{bmatrix} 1000 \\ 0164 \end{bmatrix} \\
191 &= \mathbf{PI}(4, 0, 7, 0, 1, 0) = L_{28} = \begin{bmatrix} 1000 \\ 0143 \end{bmatrix} \\
192 &= \mathbf{PI}(5, 0, 7, 0, 1, 0) = L_{58} = \begin{bmatrix} 1000 \\ 0127 \end{bmatrix} \\
193 &= \mathbf{PI}(6, 0, 7, 0, 1, 0) = L_{19} = \begin{bmatrix} 1000 \\ 0132 \end{bmatrix} \\
194 &= \mathbf{PI}(7, 0, 7, 0, 1, 0) = L_{41} = \begin{bmatrix} 1000 \\ 0115 \end{bmatrix} \\
195 &= \mathbf{PI}(0, 1, 7, 0, 1, 0) = L_{2989} = \begin{bmatrix} 1005 \\ 0015 \end{bmatrix} \\
196 &= \mathbf{PI}(0, 2, 7, 0, 1, 0) = L_{4157} = \begin{bmatrix} 1007 \\ 0015 \end{bmatrix} \\
197 &= \mathbf{PI}(0, 3, 7, 0, 1, 0) = L_{1237} = \begin{bmatrix} 1002 \\ 0015 \end{bmatrix} \\
198 &= \mathbf{PI}(0, 4, 7, 0, 1, 0) = L_{1821} = \begin{bmatrix} 1003 \\ 0015 \end{bmatrix} \\
199 &= \mathbf{PI}(0, 5, 7, 0, 1, 0) = L_{3573} = \begin{bmatrix} 1006 \\ 0015 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
200 &= \mathbf{PI}(0, 6, 7, 0, 1, 0) = L_{2405} = \begin{bmatrix} 1004 \\ 0015 \end{bmatrix} \\
201 &= \mathbf{PI}(0, 7, 7, 0, 1, 0) = L_{653} = \begin{bmatrix} 1001 \\ 0015 \end{bmatrix} \\
202 &= \mathbf{PI}(0, 0, 0, 1, 1, 0) = L_{145} = \begin{bmatrix} 1100 \\ 0001 \end{bmatrix} \\
203 &= \mathbf{PI}(1, 0, 0, 1, 1, 0) = L_{592} = \begin{bmatrix} 1001 \\ 0101 \end{bmatrix} \\
204 &= \mathbf{PI}(2, 0, 0, 1, 1, 0) = L_{3552} = \begin{bmatrix} 1006 \\ 0106 \end{bmatrix} \\
205 &= \mathbf{PI}(3, 0, 0, 1, 1, 0) = L_{2368} = \begin{bmatrix} 1004 \\ 0104 \end{bmatrix} \\
206 &= \mathbf{PI}(4, 0, 0, 1, 1, 0) = L_{1776} = \begin{bmatrix} 1003 \\ 0103 \end{bmatrix} \\
207 &= \mathbf{PI}(5, 0, 0, 1, 1, 0) = L_{4144} = \begin{bmatrix} 1007 \\ 0107 \end{bmatrix} \\
208 &= \mathbf{PI}(6, 0, 0, 1, 1, 0) = L_{1184} = \begin{bmatrix} 1002 \\ 0102 \end{bmatrix} \\
209 &= \mathbf{PI}(7, 0, 0, 1, 1, 0) = L_{2960} = \begin{bmatrix} 1005 \\ 0105 \end{bmatrix} \\
210 &= \mathbf{PI}(0, 1, 0, 1, 1, 0) = L_{729} = \begin{bmatrix} 1110 \\ 0001 \end{bmatrix} \\
211 &= \mathbf{PI}(0, 2, 0, 1, 1, 0) = L_{1313} = \begin{bmatrix} 1120 \\ 0001 \end{bmatrix} \\
212 &= \mathbf{PI}(0, 3, 0, 1, 1, 0) = L_{1897} = \begin{bmatrix} 1130 \\ 0001 \end{bmatrix} \\
213 &= \mathbf{PI}(0, 4, 0, 1, 1, 0) = L_{2481} = \begin{bmatrix} 1140 \\ 0001 \end{bmatrix} \\
214 &= \mathbf{PI}(0, 5, 0, 1, 1, 0) = L_{3065} = \begin{bmatrix} 1150 \\ 0001 \end{bmatrix} \\
215 &= \mathbf{PI}(0, 6, 0, 1, 1, 0) = L_{3649} = \begin{bmatrix} 1160 \\ 0001 \end{bmatrix} \\
216 &= \mathbf{PI}(0, 7, 0, 1, 1, 0) = L_{4233} = \begin{bmatrix} 1170 \\ 0001 \end{bmatrix} \\
217 &= \mathbf{PI}(1, 1, 1, 1, 1, 0) = L_{593} = \begin{bmatrix} 1001 \\ 0111 \end{bmatrix} \\
218 &= \mathbf{PI}(6, 2, 1, 1, 1, 0) = L_{1186} = \begin{bmatrix} 1002 \\ 0122 \end{bmatrix} \\
219 &= \mathbf{PI}(4, 3, 1, 1, 1, 0) = L_{1779} = \begin{bmatrix} 1003 \\ 0133 \end{bmatrix} \\
220 &= \mathbf{PI}(3, 4, 1, 1, 1, 0) = L_{2372} = \begin{bmatrix} 1004 \\ 0144 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
221 &= \mathbf{PI}(7, 5, 1, 1, 1, 0) = L_{2965} = \begin{bmatrix} 1005 \\ 0155 \end{bmatrix} \\
222 &= \mathbf{PI}(2, 6, 1, 1, 1, 0) = L_{3558} = \begin{bmatrix} 1006 \\ 0166 \end{bmatrix} \\
223 &= \mathbf{PI}(5, 7, 1, 1, 1, 0) = L_{4151} = \begin{bmatrix} 1007 \\ 0177 \end{bmatrix} \\
224 &= \mathbf{PI}(2, 1, 2, 1, 1, 0) = L_{3553} = \begin{bmatrix} 1006 \\ 0116 \end{bmatrix} \\
225 &= \mathbf{PI}(1, 2, 2, 1, 1, 0) = L_{594} = \begin{bmatrix} 1001 \\ 0121 \end{bmatrix} \\
226 &= \mathbf{PI}(5, 3, 2, 1, 1, 0) = L_{4147} = \begin{bmatrix} 1007 \\ 0137 \end{bmatrix} \\
227 &= \mathbf{PI}(6, 4, 2, 1, 1, 0) = L_{1188} = \begin{bmatrix} 1002 \\ 0142 \end{bmatrix} \\
228 &= \mathbf{PI}(3, 5, 2, 1, 1, 0) = L_{2373} = \begin{bmatrix} 1004 \\ 0154 \end{bmatrix} \\
229 &= \mathbf{PI}(4, 6, 2, 1, 1, 0) = L_{1782} = \begin{bmatrix} 1003 \\ 0163 \end{bmatrix} \\
230 &= \mathbf{PI}(7, 7, 2, 1, 1, 0) = L_{2967} = \begin{bmatrix} 1005 \\ 0175 \end{bmatrix} \\
231 &= \mathbf{PI}(3, 1, 3, 1, 1, 0) = L_{2369} = \begin{bmatrix} 1004 \\ 0114 \end{bmatrix} \\
232 &= \mathbf{PI}(7, 2, 3, 1, 1, 0) = L_{2962} = \begin{bmatrix} 1005 \\ 0125 \end{bmatrix} \\
233 &= \mathbf{PI}(1, 3, 3, 1, 1, 0) = L_{595} = \begin{bmatrix} 1001 \\ 0131 \end{bmatrix} \\
234 &= \mathbf{PI}(5, 4, 3, 1, 1, 0) = L_{4148} = \begin{bmatrix} 1007 \\ 0147 \end{bmatrix} \\
235 &= \mathbf{PI}(4, 5, 3, 1, 1, 0) = L_{1781} = \begin{bmatrix} 1003 \\ 0153 \end{bmatrix} \\
236 &= \mathbf{PI}(6, 6, 3, 1, 1, 0) = L_{1190} = \begin{bmatrix} 1002 \\ 0162 \end{bmatrix} \\
237 &= \mathbf{PI}(2, 7, 3, 1, 1, 0) = L_{3559} = \begin{bmatrix} 1006 \\ 0176 \end{bmatrix} \\
238 &= \mathbf{PI}(4, 1, 4, 1, 1, 0) = L_{1777} = \begin{bmatrix} 1003 \\ 0113 \end{bmatrix} \\
239 &= \mathbf{PI}(2, 2, 4, 1, 1, 0) = L_{3554} = \begin{bmatrix} 1006 \\ 0126 \end{bmatrix} \\
240 &= \mathbf{PI}(7, 3, 4, 1, 1, 0) = L_{2963} = \begin{bmatrix} 1005 \\ 0135 \end{bmatrix} \\
241 &= \mathbf{PI}(1, 4, 4, 1, 1, 0) = L_{596} = \begin{bmatrix} 1001 \\ 0141 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
242 &= \mathbf{PI}(6, 5, 4, 1, 1, 0) = L_{1189} = \begin{bmatrix} 1002 \\ 0152 \end{bmatrix} \\
243 &= \mathbf{PI}(5, 6, 4, 1, 1, 0) = L_{4150} = \begin{bmatrix} 1007 \\ 0167 \end{bmatrix} \\
244 &= \mathbf{PI}(3, 7, 4, 1, 1, 0) = L_{2375} = \begin{bmatrix} 1004 \\ 0174 \end{bmatrix} \\
245 &= \mathbf{PI}(5, 1, 5, 1, 1, 0) = L_{4145} = \begin{bmatrix} 1007 \\ 0117 \end{bmatrix} \\
246 &= \mathbf{PI}(4, 2, 5, 1, 1, 0) = L_{1778} = \begin{bmatrix} 1003 \\ 0123 \end{bmatrix} \\
247 &= \mathbf{PI}(3, 3, 5, 1, 1, 0) = L_{2371} = \begin{bmatrix} 1004 \\ 0134 \end{bmatrix} \\
248 &= \mathbf{PI}(2, 4, 5, 1, 1, 0) = L_{3556} = \begin{bmatrix} 1006 \\ 0146 \end{bmatrix} \\
249 &= \mathbf{PI}(1, 5, 5, 1, 1, 0) = L_{597} = \begin{bmatrix} 1001 \\ 0151 \end{bmatrix} \\
250 &= \mathbf{PI}(7, 6, 5, 1, 1, 0) = L_{2966} = \begin{bmatrix} 1005 \\ 0165 \end{bmatrix} \\
251 &= \mathbf{PI}(6, 7, 5, 1, 1, 0) = L_{1191} = \begin{bmatrix} 1002 \\ 0172 \end{bmatrix} \\
252 &= \mathbf{PI}(6, 1, 6, 1, 1, 0) = L_{1185} = \begin{bmatrix} 1002 \\ 0112 \end{bmatrix} \\
253 &= \mathbf{PI}(3, 2, 6, 1, 1, 0) = L_{2370} = \begin{bmatrix} 1004 \\ 0124 \end{bmatrix} \\
254 &= \mathbf{PI}(2, 3, 6, 1, 1, 0) = L_{3555} = \begin{bmatrix} 1006 \\ 0136 \end{bmatrix} \\
255 &= \mathbf{PI}(7, 4, 6, 1, 1, 0) = L_{2964} = \begin{bmatrix} 1005 \\ 0145 \end{bmatrix} \\
256 &= \mathbf{PI}(5, 5, 6, 1, 1, 0) = L_{4149} = \begin{bmatrix} 1007 \\ 0157 \end{bmatrix} \\
257 &= \mathbf{PI}(1, 6, 6, 1, 1, 0) = L_{598} = \begin{bmatrix} 1001 \\ 0161 \end{bmatrix} \\
258 &= \mathbf{PI}(4, 7, 6, 1, 1, 0) = L_{1783} = \begin{bmatrix} 1003 \\ 0173 \end{bmatrix} \\
259 &= \mathbf{PI}(7, 1, 7, 1, 1, 0) = L_{2961} = \begin{bmatrix} 1005 \\ 0115 \end{bmatrix} \\
260 &= \mathbf{PI}(5, 2, 7, 1, 1, 0) = L_{4146} = \begin{bmatrix} 1007 \\ 0127 \end{bmatrix} \\
261 &= \mathbf{PI}(6, 3, 7, 1, 1, 0) = L_{1187} = \begin{bmatrix} 1002 \\ 0132 \end{bmatrix} \\
262 &= \mathbf{PI}(4, 4, 7, 1, 1, 0) = L_{1780} = \begin{bmatrix} 1003 \\ 0143 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
263 &= \mathbf{PI}(2, 5, 7, 1, 1, 0) = L_{3557} = \begin{bmatrix} 1006 \\ 0156 \end{bmatrix} \\
264 &= \mathbf{PI}(3, 6, 7, 1, 1, 0) = L_{2374} = \begin{bmatrix} 1004 \\ 0164 \end{bmatrix} \\
265 &= \mathbf{PI}(1, 7, 7, 1, 1, 0) = L_{599} = \begin{bmatrix} 1001 \\ 0171 \end{bmatrix} \\
266 &= \mathbf{PI}(0, 0, 0, 2, 1, 0) = L_{218} = \begin{bmatrix} 1200 \\ 0001 \end{bmatrix} \\
267 &= \mathbf{PI}(1, 0, 0, 2, 1, 0) = L_{1176} = \begin{bmatrix} 1002 \\ 0101 \end{bmatrix} \\
268 &= \mathbf{PI}(2, 0, 0, 2, 1, 0) = L_{632} = \begin{bmatrix} 1001 \\ 0106 \end{bmatrix} \\
269 &= \mathbf{PI}(3, 0, 0, 2, 1, 0) = L_{2952} = \begin{bmatrix} 1005 \\ 0104 \end{bmatrix} \\
270 &= \mathbf{PI}(4, 0, 0, 2, 1, 0) = L_{3528} = \begin{bmatrix} 1006 \\ 0103 \end{bmatrix} \\
271 &= \mathbf{PI}(5, 0, 0, 2, 1, 0) = L_{1808} = \begin{bmatrix} 1003 \\ 0107 \end{bmatrix} \\
272 &= \mathbf{PI}(6, 0, 0, 2, 1, 0) = L_{2352} = \begin{bmatrix} 1004 \\ 0102 \end{bmatrix} \\
273 &= \mathbf{PI}(7, 0, 0, 2, 1, 0) = L_{4128} = \begin{bmatrix} 1007 \\ 0105 \end{bmatrix} \\
274 &= \mathbf{PI}(0, 1, 0, 2, 1, 0) = L_{802} = \begin{bmatrix} 1210 \\ 0001 \end{bmatrix} \\
275 &= \mathbf{PI}(0, 2, 0, 2, 1, 0) = L_{1386} = \begin{bmatrix} 1220 \\ 0001 \end{bmatrix} \\
276 &= \mathbf{PI}(0, 3, 0, 2, 1, 0) = L_{1970} = \begin{bmatrix} 1230 \\ 0001 \end{bmatrix} \\
277 &= \mathbf{PI}(0, 4, 0, 2, 1, 0) = L_{2554} = \begin{bmatrix} 1240 \\ 0001 \end{bmatrix} \\
278 &= \mathbf{PI}(0, 5, 0, 2, 1, 0) = L_{3138} = \begin{bmatrix} 1250 \\ 0001 \end{bmatrix} \\
279 &= \mathbf{PI}(0, 6, 0, 2, 1, 0) = L_{3722} = \begin{bmatrix} 1260 \\ 0001 \end{bmatrix} \\
280 &= \mathbf{PI}(0, 7, 0, 2, 1, 0) = L_{4306} = \begin{bmatrix} 1270 \\ 0001 \end{bmatrix} \\
281 &= \mathbf{PI}(2, 1, 1, 2, 1, 0) = L_{638} = \begin{bmatrix} 1001 \\ 0166 \end{bmatrix} \\
282 &= \mathbf{PI}(1, 2, 1, 2, 1, 0) = L_{1177} = \begin{bmatrix} 1002 \\ 0111 \end{bmatrix} \\
283 &= \mathbf{PI}(5, 3, 1, 2, 1, 0) = L_{1815} = \begin{bmatrix} 1003 \\ 0177 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
284 &= \mathbf{PI}(6, 4, 1, 2, 1, 0) = L_{2354} = \begin{bmatrix} 1004 \\ 0122 \end{bmatrix} \\
285 &= \mathbf{PI}(3, 5, 1, 2, 1, 0) = L_{2956} = \begin{bmatrix} 1005 \\ 0144 \end{bmatrix} \\
286 &= \mathbf{PI}(4, 6, 1, 2, 1, 0) = L_{3531} = \begin{bmatrix} 1006 \\ 0133 \end{bmatrix} \\
287 &= \mathbf{PI}(7, 7, 1, 2, 1, 0) = L_{4133} = \begin{bmatrix} 1007 \\ 0155 \end{bmatrix} \\
288 &= \mathbf{PI}(4, 1, 2, 2, 1, 0) = L_{3534} = \begin{bmatrix} 1006 \\ 0163 \end{bmatrix} \\
289 &= \mathbf{PI}(2, 2, 2, 2, 1, 0) = L_{633} = \begin{bmatrix} 1001 \\ 0116 \end{bmatrix} \\
290 &= \mathbf{PI}(7, 3, 2, 2, 1, 0) = L_{4135} = \begin{bmatrix} 1007 \\ 0175 \end{bmatrix} \\
291 &= \mathbf{PI}(1, 4, 2, 2, 1, 0) = L_{1178} = \begin{bmatrix} 1002 \\ 0121 \end{bmatrix} \\
292 &= \mathbf{PI}(6, 5, 2, 2, 1, 0) = L_{2356} = \begin{bmatrix} 1004 \\ 0142 \end{bmatrix} \\
293 &= \mathbf{PI}(5, 6, 2, 2, 1, 0) = L_{1811} = \begin{bmatrix} 1003 \\ 0137 \end{bmatrix} \\
294 &= \mathbf{PI}(3, 7, 2, 2, 1, 0) = L_{2957} = \begin{bmatrix} 1005 \\ 0154 \end{bmatrix} \\
295 &= \mathbf{PI}(6, 1, 3, 2, 1, 0) = L_{2358} = \begin{bmatrix} 1004 \\ 0162 \end{bmatrix} \\
296 &= \mathbf{PI}(3, 2, 3, 2, 1, 0) = L_{2953} = \begin{bmatrix} 1005 \\ 0114 \end{bmatrix} \\
297 &= \mathbf{PI}(2, 3, 3, 2, 1, 0) = L_{639} = \begin{bmatrix} 1001 \\ 0176 \end{bmatrix} \\
298 &= \mathbf{PI}(7, 4, 3, 2, 1, 0) = L_{4130} = \begin{bmatrix} 1007 \\ 0125 \end{bmatrix} \\
299 &= \mathbf{PI}(5, 5, 3, 2, 1, 0) = L_{1812} = \begin{bmatrix} 1003 \\ 0147 \end{bmatrix} \\
300 &= \mathbf{PI}(1, 6, 3, 2, 1, 0) = L_{1179} = \begin{bmatrix} 1002 \\ 0131 \end{bmatrix} \\
301 &= \mathbf{PI}(4, 7, 3, 2, 1, 0) = L_{3533} = \begin{bmatrix} 1006 \\ 0153 \end{bmatrix} \\
302 &= \mathbf{PI}(5, 1, 4, 2, 1, 0) = L_{1814} = \begin{bmatrix} 1003 \\ 0167 \end{bmatrix} \\
303 &= \mathbf{PI}(4, 2, 4, 2, 1, 0) = L_{3529} = \begin{bmatrix} 1006 \\ 0113 \end{bmatrix} \\
304 &= \mathbf{PI}(3, 3, 4, 2, 1, 0) = L_{2959} = \begin{bmatrix} 1005 \\ 0174 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
305 &= \mathbf{PI}(2, 4, 4, 2, 1, 0) = L_{634} = \begin{bmatrix} 1001 \\ 0126 \end{bmatrix} \\
306 &= \mathbf{PI}(1, 5, 4, 2, 1, 0) = L_{1180} = \begin{bmatrix} 1002 \\ 0141 \end{bmatrix} \\
307 &= \mathbf{PI}(7, 6, 4, 2, 1, 0) = L_{4131} = \begin{bmatrix} 1007 \\ 0135 \end{bmatrix} \\
308 &= \mathbf{PI}(6, 7, 4, 2, 1, 0) = L_{2357} = \begin{bmatrix} 1004 \\ 0152 \end{bmatrix} \\
309 &= \mathbf{PI}(7, 1, 5, 2, 1, 0) = L_{4134} = \begin{bmatrix} 1007 \\ 0165 \end{bmatrix} \\
310 &= \mathbf{PI}(5, 2, 5, 2, 1, 0) = L_{1809} = \begin{bmatrix} 1003 \\ 0117 \end{bmatrix} \\
311 &= \mathbf{PI}(6, 3, 5, 2, 1, 0) = L_{2359} = \begin{bmatrix} 1004 \\ 0172 \end{bmatrix} \\
312 &= \mathbf{PI}(4, 4, 5, 2, 1, 0) = L_{3530} = \begin{bmatrix} 1006 \\ 0123 \end{bmatrix} \\
313 &= \mathbf{PI}(2, 5, 5, 2, 1, 0) = L_{636} = \begin{bmatrix} 1001 \\ 0146 \end{bmatrix} \\
314 &= \mathbf{PI}(3, 6, 5, 2, 1, 0) = L_{2955} = \begin{bmatrix} 1005 \\ 0134 \end{bmatrix} \\
315 &= \mathbf{PI}(1, 7, 5, 2, 1, 0) = L_{1181} = \begin{bmatrix} 1002 \\ 0151 \end{bmatrix} \\
316 &= \mathbf{PI}(1, 1, 6, 2, 1, 0) = L_{1182} = \begin{bmatrix} 1002 \\ 0161 \end{bmatrix} \\
317 &= \mathbf{PI}(6, 2, 6, 2, 1, 0) = L_{2353} = \begin{bmatrix} 1004 \\ 0112 \end{bmatrix} \\
318 &= \mathbf{PI}(4, 3, 6, 2, 1, 0) = L_{3535} = \begin{bmatrix} 1006 \\ 0173 \end{bmatrix} \\
319 &= \mathbf{PI}(3, 4, 6, 2, 1, 0) = L_{2954} = \begin{bmatrix} 1005 \\ 0124 \end{bmatrix} \\
320 &= \mathbf{PI}(7, 5, 6, 2, 1, 0) = L_{4132} = \begin{bmatrix} 1007 \\ 0145 \end{bmatrix} \\
321 &= \mathbf{PI}(2, 6, 6, 2, 1, 0) = L_{635} = \begin{bmatrix} 1001 \\ 0136 \end{bmatrix} \\
322 &= \mathbf{PI}(5, 7, 6, 2, 1, 0) = L_{1813} = \begin{bmatrix} 1003 \\ 0157 \end{bmatrix} \\
323 &= \mathbf{PI}(3, 1, 7, 2, 1, 0) = L_{2958} = \begin{bmatrix} 1005 \\ 0164 \end{bmatrix} \\
324 &= \mathbf{PI}(7, 2, 7, 2, 1, 0) = L_{4129} = \begin{bmatrix} 1007 \\ 0115 \end{bmatrix} \\
325 &= \mathbf{PI}(1, 3, 7, 2, 1, 0) = L_{1183} = \begin{bmatrix} 1002 \\ 0171 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
326 &= \mathbf{PI}(5, 4, 7, 2, 1, 0) = L_{1810} = \begin{bmatrix} 1003 \\ 0127 \end{bmatrix} \\
327 &= \mathbf{PI}(4, 5, 7, 2, 1, 0) = L_{3532} = \begin{bmatrix} 1006 \\ 0143 \end{bmatrix} \\
328 &= \mathbf{PI}(6, 6, 7, 2, 1, 0) = L_{2355} = \begin{bmatrix} 1004 \\ 0132 \end{bmatrix} \\
329 &= \mathbf{PI}(2, 7, 7, 2, 1, 0) = L_{637} = \begin{bmatrix} 1001 \\ 0156 \end{bmatrix} \\
330 &= \mathbf{PI}(0, 0, 0, 3, 1, 0) = L_{291} = \begin{bmatrix} 1300 \\ 0001 \end{bmatrix} \\
331 &= \mathbf{PI}(1, 0, 0, 3, 1, 0) = L_{1760} = \begin{bmatrix} 1003 \\ 0101 \end{bmatrix} \\
332 &= \mathbf{PI}(2, 0, 0, 3, 1, 0) = L_{4136} = \begin{bmatrix} 1007 \\ 0106 \end{bmatrix} \\
333 &= \mathbf{PI}(3, 0, 0, 3, 1, 0) = L_{616} = \begin{bmatrix} 1001 \\ 0104 \end{bmatrix} \\
334 &= \mathbf{PI}(4, 0, 0, 3, 1, 0) = L_{2944} = \begin{bmatrix} 1005 \\ 0103 \end{bmatrix} \\
335 &= \mathbf{PI}(5, 0, 0, 3, 1, 0) = L_{2392} = \begin{bmatrix} 1004 \\ 0107 \end{bmatrix} \\
336 &= \mathbf{PI}(6, 0, 0, 3, 1, 0) = L_{3520} = \begin{bmatrix} 1006 \\ 0102 \end{bmatrix} \\
337 &= \mathbf{PI}(7, 0, 0, 3, 1, 0) = L_{1208} = \begin{bmatrix} 1002 \\ 0105 \end{bmatrix} \\
338 &= \mathbf{PI}(0, 1, 0, 3, 1, 0) = L_{875} = \begin{bmatrix} 1310 \\ 0001 \end{bmatrix} \\
339 &= \mathbf{PI}(0, 2, 0, 3, 1, 0) = L_{1459} = \begin{bmatrix} 1320 \\ 0001 \end{bmatrix} \\
340 &= \mathbf{PI}(0, 3, 0, 3, 1, 0) = L_{2043} = \begin{bmatrix} 1330 \\ 0001 \end{bmatrix} \\
341 &= \mathbf{PI}(0, 4, 0, 3, 1, 0) = L_{2627} = \begin{bmatrix} 1340 \\ 0001 \end{bmatrix} \\
342 &= \mathbf{PI}(0, 5, 0, 3, 1, 0) = L_{3211} = \begin{bmatrix} 1350 \\ 0001 \end{bmatrix} \\
343 &= \mathbf{PI}(0, 6, 0, 3, 1, 0) = L_{3795} = \begin{bmatrix} 1360 \\ 0001 \end{bmatrix} \\
344 &= \mathbf{PI}(0, 7, 0, 3, 1, 0) = L_{4379} = \begin{bmatrix} 1370 \\ 0001 \end{bmatrix} \\
345 &= \mathbf{PI}(3, 1, 1, 3, 1, 0) = L_{620} = \begin{bmatrix} 1001 \\ 0144 \end{bmatrix} \\
346 &= \mathbf{PI}(7, 2, 1, 3, 1, 0) = L_{1213} = \begin{bmatrix} 1002 \\ 0155 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
347 &= \mathbf{PI}(1, 3, 1, 3, 1, 0) = L_{1761} = \begin{bmatrix} 1003 \\ 0111 \end{bmatrix} \\
348 &= \mathbf{PI}(5, 4, 1, 3, 1, 0) = L_{2399} = \begin{bmatrix} 1004 \\ 0177 \end{bmatrix} \\
349 &= \mathbf{PI}(4, 5, 1, 3, 1, 0) = L_{2947} = \begin{bmatrix} 1005 \\ 0133 \end{bmatrix} \\
350 &= \mathbf{PI}(6, 6, 1, 3, 1, 0) = L_{3522} = \begin{bmatrix} 1006 \\ 0122 \end{bmatrix} \\
351 &= \mathbf{PI}(2, 7, 1, 3, 1, 0) = L_{4142} = \begin{bmatrix} 1007 \\ 0166 \end{bmatrix} \\
352 &= \mathbf{PI}(6, 1, 2, 3, 1, 0) = L_{3524} = \begin{bmatrix} 1006 \\ 0142 \end{bmatrix} \\
353 &= \mathbf{PI}(3, 2, 2, 3, 1, 0) = L_{621} = \begin{bmatrix} 1001 \\ 0154 \end{bmatrix} \\
354 &= \mathbf{PI}(2, 3, 2, 3, 1, 0) = L_{4137} = \begin{bmatrix} 1007 \\ 0116 \end{bmatrix} \\
355 &= \mathbf{PI}(7, 4, 2, 3, 1, 0) = L_{1215} = \begin{bmatrix} 1002 \\ 0175 \end{bmatrix} \\
356 &= \mathbf{PI}(5, 5, 2, 3, 1, 0) = L_{2395} = \begin{bmatrix} 1004 \\ 0137 \end{bmatrix} \\
357 &= \mathbf{PI}(1, 6, 2, 3, 1, 0) = L_{1762} = \begin{bmatrix} 1003 \\ 0121 \end{bmatrix} \\
358 &= \mathbf{PI}(4, 7, 2, 3, 1, 0) = L_{2950} = \begin{bmatrix} 1005 \\ 0163 \end{bmatrix} \\
359 &= \mathbf{PI}(5, 1, 3, 3, 1, 0) = L_{2396} = \begin{bmatrix} 1004 \\ 0147 \end{bmatrix} \\
360 &= \mathbf{PI}(4, 2, 3, 3, 1, 0) = L_{2949} = \begin{bmatrix} 1005 \\ 0153 \end{bmatrix} \\
361 &= \mathbf{PI}(3, 3, 3, 3, 1, 0) = L_{617} = \begin{bmatrix} 1001 \\ 0114 \end{bmatrix} \\
362 &= \mathbf{PI}(2, 4, 3, 3, 1, 0) = L_{4143} = \begin{bmatrix} 1007 \\ 0176 \end{bmatrix} \\
363 &= \mathbf{PI}(1, 5, 3, 3, 1, 0) = L_{1763} = \begin{bmatrix} 1003 \\ 0131 \end{bmatrix} \\
364 &= \mathbf{PI}(7, 6, 3, 3, 1, 0) = L_{1210} = \begin{bmatrix} 1002 \\ 0125 \end{bmatrix} \\
365 &= \mathbf{PI}(6, 7, 3, 3, 1, 0) = L_{3526} = \begin{bmatrix} 1006 \\ 0162 \end{bmatrix} \\
366 &= \mathbf{PI}(1, 1, 4, 3, 1, 0) = L_{1764} = \begin{bmatrix} 1003 \\ 0141 \end{bmatrix} \\
367 &= \mathbf{PI}(6, 2, 4, 3, 1, 0) = L_{3525} = \begin{bmatrix} 1006 \\ 0152 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
368 &= \mathbf{PI}(4, 3, 4, 3, 1, 0) = L_{2945} = \begin{bmatrix} 1005 \\ 0113 \end{bmatrix} \\
369 &= \mathbf{PI}(3, 4, 4, 3, 1, 0) = L_{623} = \begin{bmatrix} 1001 \\ 0174 \end{bmatrix} \\
370 &= \mathbf{PI}(7, 5, 4, 3, 1, 0) = L_{1211} = \begin{bmatrix} 1002 \\ 0135 \end{bmatrix} \\
371 &= \mathbf{PI}(2, 6, 4, 3, 1, 0) = L_{4138} = \begin{bmatrix} 1007 \\ 0126 \end{bmatrix} \\
372 &= \mathbf{PI}(5, 7, 4, 3, 1, 0) = L_{2398} = \begin{bmatrix} 1004 \\ 0167 \end{bmatrix} \\
373 &= \mathbf{PI}(2, 1, 5, 3, 1, 0) = L_{4140} = \begin{bmatrix} 1007 \\ 0146 \end{bmatrix} \\
374 &= \mathbf{PI}(1, 2, 5, 3, 1, 0) = L_{1765} = \begin{bmatrix} 1003 \\ 0151 \end{bmatrix} \\
375 &= \mathbf{PI}(5, 3, 5, 3, 1, 0) = L_{2393} = \begin{bmatrix} 1004 \\ 0117 \end{bmatrix} \\
376 &= \mathbf{PI}(6, 4, 5, 3, 1, 0) = L_{3527} = \begin{bmatrix} 1006 \\ 0172 \end{bmatrix} \\
377 &= \mathbf{PI}(3, 5, 5, 3, 1, 0) = L_{619} = \begin{bmatrix} 1001 \\ 0134 \end{bmatrix} \\
378 &= \mathbf{PI}(4, 6, 5, 3, 1, 0) = L_{2946} = \begin{bmatrix} 1005 \\ 0123 \end{bmatrix} \\
379 &= \mathbf{PI}(7, 7, 5, 3, 1, 0) = L_{1214} = \begin{bmatrix} 1002 \\ 0165 \end{bmatrix} \\
380 &= \mathbf{PI}(7, 1, 6, 3, 1, 0) = L_{1212} = \begin{bmatrix} 1002 \\ 0145 \end{bmatrix} \\
381 &= \mathbf{PI}(5, 2, 6, 3, 1, 0) = L_{2397} = \begin{bmatrix} 1004 \\ 0157 \end{bmatrix} \\
382 &= \mathbf{PI}(6, 3, 6, 3, 1, 0) = L_{3521} = \begin{bmatrix} 1006 \\ 0112 \end{bmatrix} \\
383 &= \mathbf{PI}(4, 4, 6, 3, 1, 0) = L_{2951} = \begin{bmatrix} 1005 \\ 0173 \end{bmatrix} \\
384 &= \mathbf{PI}(2, 5, 6, 3, 1, 0) = L_{4139} = \begin{bmatrix} 1007 \\ 0136 \end{bmatrix} \\
385 &= \mathbf{PI}(3, 6, 6, 3, 1, 0) = L_{618} = \begin{bmatrix} 1001 \\ 0124 \end{bmatrix} \\
386 &= \mathbf{PI}(1, 7, 6, 3, 1, 0) = L_{1766} = \begin{bmatrix} 1003 \\ 0161 \end{bmatrix} \\
387 &= \mathbf{PI}(4, 1, 7, 3, 1, 0) = L_{2948} = \begin{bmatrix} 1005 \\ 0143 \end{bmatrix} \\
388 &= \mathbf{PI}(2, 2, 7, 3, 1, 0) = L_{4141} = \begin{bmatrix} 1007 \\ 0156 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
389 &= \mathbf{PI}(7, 3, 7, 3, 1, 0) = L_{1209} = \begin{bmatrix} 1002 \\ 0115 \end{bmatrix} \\
390 &= \mathbf{PI}(1, 4, 7, 3, 1, 0) = L_{1767} = \begin{bmatrix} 1003 \\ 0171 \end{bmatrix} \\
391 &= \mathbf{PI}(6, 5, 7, 3, 1, 0) = L_{3523} = \begin{bmatrix} 1006 \\ 0132 \end{bmatrix} \\
392 &= \mathbf{PI}(5, 6, 7, 3, 1, 0) = L_{2394} = \begin{bmatrix} 1004 \\ 0127 \end{bmatrix} \\
393 &= \mathbf{PI}(3, 7, 7, 3, 1, 0) = L_{622} = \begin{bmatrix} 1001 \\ 0164 \end{bmatrix} \\
394 &= \mathbf{PI}(0, 0, 0, 4, 1, 0) = L_{364} = \begin{bmatrix} 1400 \\ 0001 \end{bmatrix} \\
395 &= \mathbf{PI}(1, 0, 0, 4, 1, 0) = L_{2344} = \begin{bmatrix} 1004 \\ 0101 \end{bmatrix} \\
396 &= \mathbf{PI}(2, 0, 0, 4, 1, 0) = L_{1216} = \begin{bmatrix} 1002 \\ 0106 \end{bmatrix} \\
397 &= \mathbf{PI}(3, 0, 0, 4, 1, 0) = L_{4120} = \begin{bmatrix} 1007 \\ 0104 \end{bmatrix} \\
398 &= \mathbf{PI}(4, 0, 0, 4, 1, 0) = L_{608} = \begin{bmatrix} 1001 \\ 0103 \end{bmatrix} \\
399 &= \mathbf{PI}(5, 0, 0, 4, 1, 0) = L_{3560} = \begin{bmatrix} 1006 \\ 0107 \end{bmatrix} \\
400 &= \mathbf{PI}(6, 0, 0, 4, 1, 0) = L_{2936} = \begin{bmatrix} 1005 \\ 0102 \end{bmatrix} \\
401 &= \mathbf{PI}(7, 0, 0, 4, 1, 0) = L_{1792} = \begin{bmatrix} 1003 \\ 0105 \end{bmatrix} \\
402 &= \mathbf{PI}(0, 1, 0, 4, 1, 0) = L_{948} = \begin{bmatrix} 1410 \\ 0001 \end{bmatrix} \\
403 &= \mathbf{PI}(0, 2, 0, 4, 1, 0) = L_{1532} = \begin{bmatrix} 1420 \\ 0001 \end{bmatrix} \\
404 &= \mathbf{PI}(0, 3, 0, 4, 1, 0) = L_{2116} = \begin{bmatrix} 1430 \\ 0001 \end{bmatrix} \\
405 &= \mathbf{PI}(0, 4, 0, 4, 1, 0) = L_{2700} = \begin{bmatrix} 1440 \\ 0001 \end{bmatrix} \\
406 &= \mathbf{PI}(0, 5, 0, 4, 1, 0) = L_{3284} = \begin{bmatrix} 1450 \\ 0001 \end{bmatrix} \\
407 &= \mathbf{PI}(0, 6, 0, 4, 1, 0) = L_{3868} = \begin{bmatrix} 1460 \\ 0001 \end{bmatrix} \\
408 &= \mathbf{PI}(0, 7, 0, 4, 1, 0) = L_{4452} = \begin{bmatrix} 1470 \\ 0001 \end{bmatrix} \\
409 &= \mathbf{PI}(4, 1, 1, 4, 1, 0) = L_{611} = \begin{bmatrix} 1001 \\ 0133 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
410 &= \mathbf{PI}(2, 2, 1, 4, 1, 0) = L_{1222} = \begin{bmatrix} 1002 \\ 0166 \end{bmatrix} \\
411 &= \mathbf{PI}(7, 3, 1, 4, 1, 0) = L_{1797} = \begin{bmatrix} 1003 \\ 0155 \end{bmatrix} \\
412 &= \mathbf{PI}(1, 4, 1, 4, 1, 0) = L_{2345} = \begin{bmatrix} 1004 \\ 0111 \end{bmatrix} \\
413 &= \mathbf{PI}(6, 5, 1, 4, 1, 0) = L_{2938} = \begin{bmatrix} 1005 \\ 0122 \end{bmatrix} \\
414 &= \mathbf{PI}(5, 6, 1, 4, 1, 0) = L_{3567} = \begin{bmatrix} 1006 \\ 0177 \end{bmatrix} \\
415 &= \mathbf{PI}(3, 7, 1, 4, 1, 0) = L_{4124} = \begin{bmatrix} 1007 \\ 0144 \end{bmatrix} \\
416 &= \mathbf{PI}(5, 1, 2, 4, 1, 0) = L_{3563} = \begin{bmatrix} 1006 \\ 0137 \end{bmatrix} \\
417 &= \mathbf{PI}(4, 2, 2, 4, 1, 0) = L_{614} = \begin{bmatrix} 1001 \\ 0163 \end{bmatrix} \\
418 &= \mathbf{PI}(3, 3, 2, 4, 1, 0) = L_{4125} = \begin{bmatrix} 1007 \\ 0154 \end{bmatrix} \\
419 &= \mathbf{PI}(2, 4, 2, 4, 1, 0) = L_{1217} = \begin{bmatrix} 1002 \\ 0116 \end{bmatrix} \\
420 &= \mathbf{PI}(1, 5, 2, 4, 1, 0) = L_{2346} = \begin{bmatrix} 1004 \\ 0121 \end{bmatrix} \\
421 &= \mathbf{PI}(7, 6, 2, 4, 1, 0) = L_{1799} = \begin{bmatrix} 1003 \\ 0175 \end{bmatrix} \\
422 &= \mathbf{PI}(6, 7, 2, 4, 1, 0) = L_{2940} = \begin{bmatrix} 1005 \\ 0142 \end{bmatrix} \\
423 &= \mathbf{PI}(1, 1, 3, 4, 1, 0) = L_{2347} = \begin{bmatrix} 1004 \\ 0131 \end{bmatrix} \\
424 &= \mathbf{PI}(6, 2, 3, 4, 1, 0) = L_{2942} = \begin{bmatrix} 1005 \\ 0162 \end{bmatrix} \\
425 &= \mathbf{PI}(4, 3, 3, 4, 1, 0) = L_{613} = \begin{bmatrix} 1001 \\ 0153 \end{bmatrix} \\
426 &= \mathbf{PI}(3, 4, 3, 4, 1, 0) = L_{4121} = \begin{bmatrix} 1007 \\ 0114 \end{bmatrix} \\
427 &= \mathbf{PI}(7, 5, 3, 4, 1, 0) = L_{1794} = \begin{bmatrix} 1003 \\ 0125 \end{bmatrix} \\
428 &= \mathbf{PI}(2, 6, 3, 4, 1, 0) = L_{1223} = \begin{bmatrix} 1002 \\ 0176 \end{bmatrix} \\
429 &= \mathbf{PI}(5, 7, 3, 4, 1, 0) = L_{3564} = \begin{bmatrix} 1006 \\ 0147 \end{bmatrix} \\
430 &= \mathbf{PI}(7, 1, 4, 4, 1, 0) = L_{1795} = \begin{bmatrix} 1003 \\ 0135 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
431 &= \mathbf{PI}(5, 2, 4, 4, 1, 0) = L_{3566} = \begin{bmatrix} 1006 \\ 0167 \end{bmatrix} \\
432 &= \mathbf{PI}(6, 3, 4, 4, 1, 0) = L_{2941} = \begin{bmatrix} 1005 \\ 0152 \end{bmatrix} \\
433 &= \mathbf{PI}(4, 4, 4, 4, 1, 0) = L_{609} = \begin{bmatrix} 1001 \\ 0113 \end{bmatrix} \\
434 &= \mathbf{PI}(2, 5, 4, 4, 1, 0) = L_{1218} = \begin{bmatrix} 1002 \\ 0126 \end{bmatrix} \\
435 &= \mathbf{PI}(3, 6, 4, 4, 1, 0) = L_{4127} = \begin{bmatrix} 1007 \\ 0174 \end{bmatrix} \\
436 &= \mathbf{PI}(1, 7, 4, 4, 1, 0) = L_{2348} = \begin{bmatrix} 1004 \\ 0141 \end{bmatrix} \\
437 &= \mathbf{PI}(3, 1, 5, 4, 1, 0) = L_{4123} = \begin{bmatrix} 1007 \\ 0134 \end{bmatrix} \\
438 &= \mathbf{PI}(7, 2, 5, 4, 1, 0) = L_{1798} = \begin{bmatrix} 1003 \\ 0165 \end{bmatrix} \\
439 &= \mathbf{PI}(1, 3, 5, 4, 1, 0) = L_{2349} = \begin{bmatrix} 1004 \\ 0151 \end{bmatrix} \\
440 &= \mathbf{PI}(5, 4, 5, 4, 1, 0) = L_{3561} = \begin{bmatrix} 1006 \\ 0117 \end{bmatrix} \\
441 &= \mathbf{PI}(4, 5, 5, 4, 1, 0) = L_{610} = \begin{bmatrix} 1001 \\ 0123 \end{bmatrix} \\
442 &= \mathbf{PI}(6, 6, 5, 4, 1, 0) = L_{2943} = \begin{bmatrix} 1005 \\ 0172 \end{bmatrix} \\
443 &= \mathbf{PI}(2, 7, 5, 4, 1, 0) = L_{1220} = \begin{bmatrix} 1002 \\ 0146 \end{bmatrix} \\
444 &= \mathbf{PI}(2, 1, 6, 4, 1, 0) = L_{1219} = \begin{bmatrix} 1002 \\ 0136 \end{bmatrix} \\
445 &= \mathbf{PI}(1, 2, 6, 4, 1, 0) = L_{2350} = \begin{bmatrix} 1004 \\ 0161 \end{bmatrix} \\
446 &= \mathbf{PI}(5, 3, 6, 4, 1, 0) = L_{3565} = \begin{bmatrix} 1006 \\ 0157 \end{bmatrix} \\
447 &= \mathbf{PI}(6, 4, 6, 4, 1, 0) = L_{2937} = \begin{bmatrix} 1005 \\ 0112 \end{bmatrix} \\
448 &= \mathbf{PI}(3, 5, 6, 4, 1, 0) = L_{4122} = \begin{bmatrix} 1007 \\ 0124 \end{bmatrix} \\
449 &= \mathbf{PI}(4, 6, 6, 4, 1, 0) = L_{615} = \begin{bmatrix} 1001 \\ 0173 \end{bmatrix} \\
450 &= \mathbf{PI}(7, 7, 6, 4, 1, 0) = L_{1796} = \begin{bmatrix} 1003 \\ 0145 \end{bmatrix} \\
451 &= \mathbf{PI}(6, 1, 7, 4, 1, 0) = L_{2939} = \begin{bmatrix} 1005 \\ 0132 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
452 &= \mathbf{PI}(3, 2, 7, 4, 1, 0) = L_{4126} = \begin{bmatrix} 1007 \\ 0164 \end{bmatrix} \\
453 &= \mathbf{PI}(2, 3, 7, 4, 1, 0) = L_{1221} = \begin{bmatrix} 1002 \\ 0156 \end{bmatrix} \\
454 &= \mathbf{PI}(7, 4, 7, 4, 1, 0) = L_{1793} = \begin{bmatrix} 1003 \\ 0115 \end{bmatrix} \\
455 &= \mathbf{PI}(5, 5, 7, 4, 1, 0) = L_{3562} = \begin{bmatrix} 1006 \\ 0127 \end{bmatrix} \\
456 &= \mathbf{PI}(1, 6, 7, 4, 1, 0) = L_{2351} = \begin{bmatrix} 1004 \\ 0171 \end{bmatrix} \\
457 &= \mathbf{PI}(4, 7, 7, 4, 1, 0) = L_{612} = \begin{bmatrix} 1001 \\ 0143 \end{bmatrix} \\
458 &= \mathbf{PI}(0, 0, 0, 5, 1, 0) = L_{437} = \begin{bmatrix} 1500 \\ 0001 \end{bmatrix} \\
459 &= \mathbf{PI}(1, 0, 0, 5, 1, 0) = L_{2928} = \begin{bmatrix} 1005 \\ 0101 \end{bmatrix} \\
460 &= \mathbf{PI}(2, 0, 0, 5, 1, 0) = L_{2384} = \begin{bmatrix} 1004 \\ 0106 \end{bmatrix} \\
461 &= \mathbf{PI}(3, 0, 0, 5, 1, 0) = L_{1784} = \begin{bmatrix} 1003 \\ 0104 \end{bmatrix} \\
462 &= \mathbf{PI}(4, 0, 0, 5, 1, 0) = L_{1192} = \begin{bmatrix} 1002 \\ 0103 \end{bmatrix} \\
463 &= \mathbf{PI}(5, 0, 0, 5, 1, 0) = L_{640} = \begin{bmatrix} 1001 \\ 0107 \end{bmatrix} \\
464 &= \mathbf{PI}(6, 0, 0, 5, 1, 0) = L_{4104} = \begin{bmatrix} 1007 \\ 0102 \end{bmatrix} \\
465 &= \mathbf{PI}(7, 0, 0, 5, 1, 0) = L_{3544} = \begin{bmatrix} 1006 \\ 0105 \end{bmatrix} \\
466 &= \mathbf{PI}(0, 1, 0, 5, 1, 0) = L_{1021} = \begin{bmatrix} 1510 \\ 0001 \end{bmatrix} \\
467 &= \mathbf{PI}(0, 2, 0, 5, 1, 0) = L_{1605} = \begin{bmatrix} 1520 \\ 0001 \end{bmatrix} \\
468 &= \mathbf{PI}(0, 3, 0, 5, 1, 0) = L_{2189} = \begin{bmatrix} 1530 \\ 0001 \end{bmatrix} \\
469 &= \mathbf{PI}(0, 4, 0, 5, 1, 0) = L_{2773} = \begin{bmatrix} 1540 \\ 0001 \end{bmatrix} \\
470 &= \mathbf{PI}(0, 5, 0, 5, 1, 0) = L_{3357} = \begin{bmatrix} 1550 \\ 0001 \end{bmatrix} \\
471 &= \mathbf{PI}(0, 6, 0, 5, 1, 0) = L_{3941} = \begin{bmatrix} 1560 \\ 0001 \end{bmatrix} \\
472 &= \mathbf{PI}(0, 7, 0, 5, 1, 0) = L_{4525} = \begin{bmatrix} 1570 \\ 0001 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
473 &= \mathbf{PI}(5, 1, 1, 5, 1, 0) = L_{647} = \begin{bmatrix} 1001 \\ 0177 \end{bmatrix} \\
474 &= \mathbf{PI}(4, 2, 1, 5, 1, 0) = L_{1195} = \begin{bmatrix} 1002 \\ 0133 \end{bmatrix} \\
475 &= \mathbf{PI}(3, 3, 1, 5, 1, 0) = L_{1788} = \begin{bmatrix} 1003 \\ 0144 \end{bmatrix} \\
476 &= \mathbf{PI}(2, 4, 1, 5, 1, 0) = L_{2390} = \begin{bmatrix} 1004 \\ 0166 \end{bmatrix} \\
477 &= \mathbf{PI}(1, 5, 1, 5, 1, 0) = L_{2929} = \begin{bmatrix} 1005 \\ 0111 \end{bmatrix} \\
478 &= \mathbf{PI}(7, 6, 1, 5, 1, 0) = L_{3549} = \begin{bmatrix} 1006 \\ 0155 \end{bmatrix} \\
479 &= \mathbf{PI}(6, 7, 1, 5, 1, 0) = L_{4106} = \begin{bmatrix} 1007 \\ 0122 \end{bmatrix} \\
480 &= \mathbf{PI}(7, 1, 2, 5, 1, 0) = L_{3551} = \begin{bmatrix} 1006 \\ 0175 \end{bmatrix} \\
481 &= \mathbf{PI}(5, 2, 2, 5, 1, 0) = L_{643} = \begin{bmatrix} 1001 \\ 0137 \end{bmatrix} \\
482 &= \mathbf{PI}(6, 3, 2, 5, 1, 0) = L_{4108} = \begin{bmatrix} 1007 \\ 0142 \end{bmatrix} \\
483 &= \mathbf{PI}(4, 4, 2, 5, 1, 0) = L_{1198} = \begin{bmatrix} 1002 \\ 0163 \end{bmatrix} \\
484 &= \mathbf{PI}(2, 5, 2, 5, 1, 0) = L_{2385} = \begin{bmatrix} 1004 \\ 0116 \end{bmatrix} \\
485 &= \mathbf{PI}(3, 6, 2, 5, 1, 0) = L_{1789} = \begin{bmatrix} 1003 \\ 0154 \end{bmatrix} \\
486 &= \mathbf{PI}(1, 7, 2, 5, 1, 0) = L_{2930} = \begin{bmatrix} 1005 \\ 0121 \end{bmatrix} \\
487 &= \mathbf{PI}(2, 1, 3, 5, 1, 0) = L_{2391} = \begin{bmatrix} 1004 \\ 0176 \end{bmatrix} \\
488 &= \mathbf{PI}(1, 2, 3, 5, 1, 0) = L_{2931} = \begin{bmatrix} 1005 \\ 0131 \end{bmatrix} \\
489 &= \mathbf{PI}(5, 3, 3, 5, 1, 0) = L_{644} = \begin{bmatrix} 1001 \\ 0147 \end{bmatrix} \\
490 &= \mathbf{PI}(6, 4, 3, 5, 1, 0) = L_{4110} = \begin{bmatrix} 1007 \\ 0162 \end{bmatrix} \\
491 &= \mathbf{PI}(3, 5, 3, 5, 1, 0) = L_{1785} = \begin{bmatrix} 1003 \\ 0114 \end{bmatrix} \\
492 &= \mathbf{PI}(4, 6, 3, 5, 1, 0) = L_{1197} = \begin{bmatrix} 1002 \\ 0153 \end{bmatrix} \\
493 &= \mathbf{PI}(7, 7, 3, 5, 1, 0) = L_{3546} = \begin{bmatrix} 1006 \\ 0125 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
494 &= \mathbf{PI}(3, 1, 4, 5, 1, 0) = L_{1791} = \begin{bmatrix} 1003 \\ 0174 \end{bmatrix} \\
495 &= \mathbf{PI}(7, 2, 4, 5, 1, 0) = L_{3547} = \begin{bmatrix} 1006 \\ 0135 \end{bmatrix} \\
496 &= \mathbf{PI}(1, 3, 4, 5, 1, 0) = L_{2932} = \begin{bmatrix} 1005 \\ 0141 \end{bmatrix} \\
497 &= \mathbf{PI}(5, 4, 4, 5, 1, 0) = L_{646} = \begin{bmatrix} 1001 \\ 0167 \end{bmatrix} \\
498 &= \mathbf{PI}(4, 5, 4, 5, 1, 0) = L_{1193} = \begin{bmatrix} 1002 \\ 0113 \end{bmatrix} \\
499 &= \mathbf{PI}(6, 6, 4, 5, 1, 0) = L_{4109} = \begin{bmatrix} 1007 \\ 0152 \end{bmatrix} \\
500 &= \mathbf{PI}(2, 7, 4, 5, 1, 0) = L_{2386} = \begin{bmatrix} 1004 \\ 0126 \end{bmatrix} \\
501 &= \mathbf{PI}(6, 1, 5, 5, 1, 0) = L_{4111} = \begin{bmatrix} 1007 \\ 0172 \end{bmatrix} \\
502 &= \mathbf{PI}(3, 2, 5, 5, 1, 0) = L_{1787} = \begin{bmatrix} 1003 \\ 0134 \end{bmatrix} \\
503 &= \mathbf{PI}(2, 3, 5, 5, 1, 0) = L_{2388} = \begin{bmatrix} 1004 \\ 0146 \end{bmatrix} \\
504 &= \mathbf{PI}(7, 4, 5, 5, 1, 0) = L_{3550} = \begin{bmatrix} 1006 \\ 0165 \end{bmatrix} \\
505 &= \mathbf{PI}(5, 5, 5, 5, 1, 0) = L_{641} = \begin{bmatrix} 1001 \\ 0117 \end{bmatrix} \\
506 &= \mathbf{PI}(1, 6, 5, 5, 1, 0) = L_{2933} = \begin{bmatrix} 1005 \\ 0151 \end{bmatrix} \\
507 &= \mathbf{PI}(4, 7, 5, 5, 1, 0) = L_{1194} = \begin{bmatrix} 1002 \\ 0123 \end{bmatrix} \\
508 &= \mathbf{PI}(4, 1, 6, 5, 1, 0) = L_{1199} = \begin{bmatrix} 1002 \\ 0173 \end{bmatrix} \\
509 &= \mathbf{PI}(2, 2, 6, 5, 1, 0) = L_{2387} = \begin{bmatrix} 1004 \\ 0136 \end{bmatrix} \\
510 &= \mathbf{PI}(7, 3, 6, 5, 1, 0) = L_{3548} = \begin{bmatrix} 1006 \\ 0145 \end{bmatrix} \\
511 &= \mathbf{PI}(1, 4, 6, 5, 1, 0) = L_{2934} = \begin{bmatrix} 1005 \\ 0161 \end{bmatrix} \\
512 &= \mathbf{PI}(6, 5, 6, 5, 1, 0) = L_{4105} = \begin{bmatrix} 1007 \\ 0112 \end{bmatrix} \\
513 &= \mathbf{PI}(5, 6, 6, 5, 1, 0) = L_{645} = \begin{bmatrix} 1001 \\ 0157 \end{bmatrix} \\
514 &= \mathbf{PI}(3, 7, 6, 5, 1, 0) = L_{1786} = \begin{bmatrix} 1003 \\ 0124 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
515 &= \mathbf{PI}(1, 1, 7, 5, 1, 0) = L_{2935} = \begin{bmatrix} 1005 \\ 0171 \end{bmatrix} \\
516 &= \mathbf{PI}(6, 2, 7, 5, 1, 0) = L_{4107} = \begin{bmatrix} 1007 \\ 0132 \end{bmatrix} \\
517 &= \mathbf{PI}(4, 3, 7, 5, 1, 0) = L_{1196} = \begin{bmatrix} 1002 \\ 0143 \end{bmatrix} \\
518 &= \mathbf{PI}(3, 4, 7, 5, 1, 0) = L_{1790} = \begin{bmatrix} 1003 \\ 0164 \end{bmatrix} \\
519 &= \mathbf{PI}(7, 5, 7, 5, 1, 0) = L_{3545} = \begin{bmatrix} 1006 \\ 0115 \end{bmatrix} \\
520 &= \mathbf{PI}(2, 6, 7, 5, 1, 0) = L_{2389} = \begin{bmatrix} 1004 \\ 0156 \end{bmatrix} \\
521 &= \mathbf{PI}(5, 7, 7, 5, 1, 0) = L_{642} = \begin{bmatrix} 1001 \\ 0127 \end{bmatrix} \\
522 &= \mathbf{PI}(0, 0, 0, 6, 1, 0) = L_{510} = \begin{bmatrix} 1600 \\ 0001 \end{bmatrix} \\
523 &= \mathbf{PI}(1, 0, 0, 6, 1, 0) = L_{3512} = \begin{bmatrix} 1006 \\ 0101 \end{bmatrix} \\
524 &= \mathbf{PI}(2, 0, 0, 6, 1, 0) = L_{1800} = \begin{bmatrix} 1003 \\ 0106 \end{bmatrix} \\
525 &= \mathbf{PI}(3, 0, 0, 6, 1, 0) = L_{1200} = \begin{bmatrix} 1002 \\ 0104 \end{bmatrix} \\
526 &= \mathbf{PI}(4, 0, 0, 6, 1, 0) = L_{4112} = \begin{bmatrix} 1007 \\ 0103 \end{bmatrix} \\
527 &= \mathbf{PI}(5, 0, 0, 6, 1, 0) = L_{2976} = \begin{bmatrix} 1005 \\ 0107 \end{bmatrix} \\
528 &= \mathbf{PI}(6, 0, 0, 6, 1, 0) = L_{600} = \begin{bmatrix} 1001 \\ 0102 \end{bmatrix} \\
529 &= \mathbf{PI}(7, 0, 0, 6, 1, 0) = L_{2376} = \begin{bmatrix} 1004 \\ 0105 \end{bmatrix} \\
530 &= \mathbf{PI}(0, 1, 0, 6, 1, 0) = L_{1094} = \begin{bmatrix} 1610 \\ 0001 \end{bmatrix} \\
531 &= \mathbf{PI}(0, 2, 0, 6, 1, 0) = L_{1678} = \begin{bmatrix} 1620 \\ 0001 \end{bmatrix} \\
532 &= \mathbf{PI}(0, 3, 0, 6, 1, 0) = L_{2262} = \begin{bmatrix} 1630 \\ 0001 \end{bmatrix} \\
533 &= \mathbf{PI}(0, 4, 0, 6, 1, 0) = L_{2846} = \begin{bmatrix} 1640 \\ 0001 \end{bmatrix} \\
534 &= \mathbf{PI}(0, 5, 0, 6, 1, 0) = L_{3430} = \begin{bmatrix} 1650 \\ 0001 \end{bmatrix} \\
535 &= \mathbf{PI}(0, 6, 0, 6, 1, 0) = L_{4014} = \begin{bmatrix} 1660 \\ 0001 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
536 &= \mathbf{PI}(0, 7, 0, 6, 1, 0) = L_{4598} = \begin{bmatrix} 1670 \\ 0001 \end{bmatrix} \\
537 &= \mathbf{PI}(6, 1, 1, 6, 1, 0) = L_{602} = \begin{bmatrix} 1001 \\ 0122 \end{bmatrix} \\
538 &= \mathbf{PI}(3, 2, 1, 6, 1, 0) = L_{1204} = \begin{bmatrix} 1002 \\ 0144 \end{bmatrix} \\
539 &= \mathbf{PI}(2, 3, 1, 6, 1, 0) = L_{1806} = \begin{bmatrix} 1003 \\ 0166 \end{bmatrix} \\
540 &= \mathbf{PI}(7, 4, 1, 6, 1, 0) = L_{2381} = \begin{bmatrix} 1004 \\ 0155 \end{bmatrix} \\
541 &= \mathbf{PI}(5, 5, 1, 6, 1, 0) = L_{2983} = \begin{bmatrix} 1005 \\ 0177 \end{bmatrix} \\
542 &= \mathbf{PI}(1, 6, 1, 6, 1, 0) = L_{3513} = \begin{bmatrix} 1006 \\ 0111 \end{bmatrix} \\
543 &= \mathbf{PI}(4, 7, 1, 6, 1, 0) = L_{4115} = \begin{bmatrix} 1007 \\ 0133 \end{bmatrix} \\
544 &= \mathbf{PI}(1, 1, 2, 6, 1, 0) = L_{3514} = \begin{bmatrix} 1006 \\ 0121 \end{bmatrix} \\
545 &= \mathbf{PI}(6, 2, 2, 6, 1, 0) = L_{604} = \begin{bmatrix} 1001 \\ 0142 \end{bmatrix} \\
546 &= \mathbf{PI}(4, 3, 2, 6, 1, 0) = L_{4118} = \begin{bmatrix} 1007 \\ 0163 \end{bmatrix} \\
547 &= \mathbf{PI}(3, 4, 2, 6, 1, 0) = L_{1205} = \begin{bmatrix} 1002 \\ 0154 \end{bmatrix} \\
548 &= \mathbf{PI}(7, 5, 2, 6, 1, 0) = L_{2383} = \begin{bmatrix} 1004 \\ 0175 \end{bmatrix} \\
549 &= \mathbf{PI}(2, 6, 2, 6, 1, 0) = L_{1801} = \begin{bmatrix} 1003 \\ 0116 \end{bmatrix} \\
550 &= \mathbf{PI}(5, 7, 2, 6, 1, 0) = L_{2979} = \begin{bmatrix} 1005 \\ 0137 \end{bmatrix} \\
551 &= \mathbf{PI}(7, 1, 3, 6, 1, 0) = L_{2378} = \begin{bmatrix} 1004 \\ 0125 \end{bmatrix} \\
552 &= \mathbf{PI}(5, 2, 3, 6, 1, 0) = L_{2980} = \begin{bmatrix} 1005 \\ 0147 \end{bmatrix} \\
553 &= \mathbf{PI}(6, 3, 3, 6, 1, 0) = L_{606} = \begin{bmatrix} 1001 \\ 0162 \end{bmatrix} \\
554 &= \mathbf{PI}(4, 4, 3, 6, 1, 0) = L_{4117} = \begin{bmatrix} 1007 \\ 0153 \end{bmatrix} \\
555 &= \mathbf{PI}(2, 5, 3, 6, 1, 0) = L_{1807} = \begin{bmatrix} 1003 \\ 0176 \end{bmatrix} \\
556 &= \mathbf{PI}(3, 6, 3, 6, 1, 0) = L_{1201} = \begin{bmatrix} 1002 \\ 0114 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
557 &= \mathbf{PI}(1, 7, 3, 6, 1, 0) = L_{3515} = \begin{bmatrix} 1006 \\ 0131 \end{bmatrix} \\
558 &= \mathbf{PI}(2, 1, 4, 6, 1, 0) = L_{1802} = \begin{bmatrix} 1003 \\ 0126 \end{bmatrix} \\
559 &= \mathbf{PI}(1, 2, 4, 6, 1, 0) = L_{3516} = \begin{bmatrix} 1006 \\ 0141 \end{bmatrix} \\
560 &= \mathbf{PI}(5, 3, 4, 6, 1, 0) = L_{2982} = \begin{bmatrix} 1005 \\ 0167 \end{bmatrix} \\
561 &= \mathbf{PI}(6, 4, 4, 6, 1, 0) = L_{605} = \begin{bmatrix} 1001 \\ 0152 \end{bmatrix} \\
562 &= \mathbf{PI}(3, 5, 4, 6, 1, 0) = L_{1207} = \begin{bmatrix} 1002 \\ 0174 \end{bmatrix} \\
563 &= \mathbf{PI}(4, 6, 4, 6, 1, 0) = L_{4113} = \begin{bmatrix} 1007 \\ 0113 \end{bmatrix} \\
564 &= \mathbf{PI}(7, 7, 4, 6, 1, 0) = L_{2379} = \begin{bmatrix} 1004 \\ 0135 \end{bmatrix} \\
565 &= \mathbf{PI}(4, 1, 5, 6, 1, 0) = L_{4114} = \begin{bmatrix} 1007 \\ 0123 \end{bmatrix} \\
566 &= \mathbf{PI}(2, 2, 5, 6, 1, 0) = L_{1804} = \begin{bmatrix} 1003 \\ 0146 \end{bmatrix} \\
567 &= \mathbf{PI}(7, 3, 5, 6, 1, 0) = L_{2382} = \begin{bmatrix} 1004 \\ 0165 \end{bmatrix} \\
568 &= \mathbf{PI}(1, 4, 5, 6, 1, 0) = L_{3517} = \begin{bmatrix} 1006 \\ 0151 \end{bmatrix} \\
569 &= \mathbf{PI}(6, 5, 5, 6, 1, 0) = L_{607} = \begin{bmatrix} 1001 \\ 0172 \end{bmatrix} \\
570 &= \mathbf{PI}(5, 6, 5, 6, 1, 0) = L_{2977} = \begin{bmatrix} 1005 \\ 0117 \end{bmatrix} \\
571 &= \mathbf{PI}(3, 7, 5, 6, 1, 0) = L_{1203} = \begin{bmatrix} 1002 \\ 0134 \end{bmatrix} \\
572 &= \mathbf{PI}(3, 1, 6, 6, 1, 0) = L_{1202} = \begin{bmatrix} 1002 \\ 0124 \end{bmatrix} \\
573 &= \mathbf{PI}(7, 2, 6, 6, 1, 0) = L_{2380} = \begin{bmatrix} 1004 \\ 0145 \end{bmatrix} \\
574 &= \mathbf{PI}(1, 3, 6, 6, 1, 0) = L_{3518} = \begin{bmatrix} 1006 \\ 0161 \end{bmatrix} \\
575 &= \mathbf{PI}(5, 4, 6, 6, 1, 0) = L_{2981} = \begin{bmatrix} 1005 \\ 0157 \end{bmatrix} \\
576 &= \mathbf{PI}(4, 5, 6, 6, 1, 0) = L_{4119} = \begin{bmatrix} 1007 \\ 0173 \end{bmatrix} \\
577 &= \mathbf{PI}(6, 6, 6, 6, 1, 0) = L_{601} = \begin{bmatrix} 1001 \\ 0112 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
578 &= \mathbf{PI}(2, 7, 6, 6, 1, 0) = L_{1803} = \begin{bmatrix} 1003 \\ 0136 \end{bmatrix} \\
579 &= \mathbf{PI}(5, 1, 7, 6, 1, 0) = L_{2978} = \begin{bmatrix} 1005 \\ 0127 \end{bmatrix} \\
580 &= \mathbf{PI}(4, 2, 7, 6, 1, 0) = L_{4116} = \begin{bmatrix} 1007 \\ 0143 \end{bmatrix} \\
581 &= \mathbf{PI}(3, 3, 7, 6, 1, 0) = L_{1206} = \begin{bmatrix} 1002 \\ 0164 \end{bmatrix} \\
582 &= \mathbf{PI}(2, 4, 7, 6, 1, 0) = L_{1805} = \begin{bmatrix} 1003 \\ 0156 \end{bmatrix} \\
583 &= \mathbf{PI}(1, 5, 7, 6, 1, 0) = L_{3519} = \begin{bmatrix} 1006 \\ 0171 \end{bmatrix} \\
584 &= \mathbf{PI}(7, 6, 7, 6, 1, 0) = L_{2377} = \begin{bmatrix} 1004 \\ 0115 \end{bmatrix} \\
585 &= \mathbf{PI}(6, 7, 7, 6, 1, 0) = L_{603} = \begin{bmatrix} 1001 \\ 0132 \end{bmatrix} \\
586 &= \mathbf{PI}(0, 0, 0, 7, 1, 0) = L_{583} = \begin{bmatrix} 1700 \\ 0001 \end{bmatrix} \\
587 &= \mathbf{PI}(1, 0, 0, 7, 1, 0) = L_{4096} = \begin{bmatrix} 1007 \\ 0101 \end{bmatrix} \\
588 &= \mathbf{PI}(2, 0, 0, 7, 1, 0) = L_{2968} = \begin{bmatrix} 1005 \\ 0106 \end{bmatrix} \\
589 &= \mathbf{PI}(3, 0, 0, 7, 1, 0) = L_{3536} = \begin{bmatrix} 1006 \\ 0104 \end{bmatrix} \\
590 &= \mathbf{PI}(4, 0, 0, 7, 1, 0) = L_{2360} = \begin{bmatrix} 1004 \\ 0103 \end{bmatrix} \\
591 &= \mathbf{PI}(5, 0, 0, 7, 1, 0) = L_{1224} = \begin{bmatrix} 1002 \\ 0107 \end{bmatrix} \\
592 &= \mathbf{PI}(6, 0, 0, 7, 1, 0) = L_{1768} = \begin{bmatrix} 1003 \\ 0102 \end{bmatrix} \\
593 &= \mathbf{PI}(7, 0, 0, 7, 1, 0) = L_{624} = \begin{bmatrix} 1001 \\ 0105 \end{bmatrix} \\
594 &= \mathbf{PI}(0, 1, 0, 7, 1, 0) = L_{1167} = \begin{bmatrix} 1710 \\ 0001 \end{bmatrix} \\
595 &= \mathbf{PI}(0, 2, 0, 7, 1, 0) = L_{1751} = \begin{bmatrix} 1720 \\ 0001 \end{bmatrix} \\
596 &= \mathbf{PI}(0, 3, 0, 7, 1, 0) = L_{2335} = \begin{bmatrix} 1730 \\ 0001 \end{bmatrix} \\
597 &= \mathbf{PI}(0, 4, 0, 7, 1, 0) = L_{2919} = \begin{bmatrix} 1740 \\ 0001 \end{bmatrix} \\
598 &= \mathbf{PI}(0, 5, 0, 7, 1, 0) = L_{3503} = \begin{bmatrix} 1750 \\ 0001 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
599 &= \mathbf{PI}(0, 6, 0, 7, 1, 0) = L_{4087} = \begin{bmatrix} 1760 \\ 0001 \end{bmatrix} \\
600 &= \mathbf{PI}(0, 7, 0, 7, 1, 0) = L_{4671} = \begin{bmatrix} 1770 \\ 0001 \end{bmatrix} \\
601 &= \mathbf{PI}(7, 1, 1, 7, 1, 0) = L_{629} = \begin{bmatrix} 1001 \\ 0155 \end{bmatrix} \\
602 &= \mathbf{PI}(5, 2, 1, 7, 1, 0) = L_{1231} = \begin{bmatrix} 1002 \\ 0177 \end{bmatrix} \\
603 &= \mathbf{PI}(6, 3, 1, 7, 1, 0) = L_{1770} = \begin{bmatrix} 1003 \\ 0122 \end{bmatrix} \\
604 &= \mathbf{PI}(4, 4, 1, 7, 1, 0) = L_{2363} = \begin{bmatrix} 1004 \\ 0133 \end{bmatrix} \\
605 &= \mathbf{PI}(2, 5, 1, 7, 1, 0) = L_{2974} = \begin{bmatrix} 1005 \\ 0166 \end{bmatrix} \\
606 &= \mathbf{PI}(3, 6, 1, 7, 1, 0) = L_{3540} = \begin{bmatrix} 1006 \\ 0144 \end{bmatrix} \\
607 &= \mathbf{PI}(1, 7, 1, 7, 1, 0) = L_{4097} = \begin{bmatrix} 1007 \\ 0111 \end{bmatrix} \\
608 &= \mathbf{PI}(3, 1, 2, 7, 1, 0) = L_{3541} = \begin{bmatrix} 1006 \\ 0154 \end{bmatrix} \\
609 &= \mathbf{PI}(7, 2, 2, 7, 1, 0) = L_{631} = \begin{bmatrix} 1001 \\ 0175 \end{bmatrix} \\
610 &= \mathbf{PI}(1, 3, 2, 7, 1, 0) = L_{4098} = \begin{bmatrix} 1007 \\ 0121 \end{bmatrix} \\
611 &= \mathbf{PI}(5, 4, 2, 7, 1, 0) = L_{1227} = \begin{bmatrix} 1002 \\ 0137 \end{bmatrix} \\
612 &= \mathbf{PI}(4, 5, 2, 7, 1, 0) = L_{2366} = \begin{bmatrix} 1004 \\ 0163 \end{bmatrix} \\
613 &= \mathbf{PI}(6, 6, 2, 7, 1, 0) = L_{1772} = \begin{bmatrix} 1003 \\ 0142 \end{bmatrix} \\
614 &= \mathbf{PI}(2, 7, 2, 7, 1, 0) = L_{2969} = \begin{bmatrix} 1005 \\ 0116 \end{bmatrix} \\
615 &= \mathbf{PI}(4, 1, 3, 7, 1, 0) = L_{2365} = \begin{bmatrix} 1004 \\ 0153 \end{bmatrix} \\
616 &= \mathbf{PI}(2, 2, 3, 7, 1, 0) = L_{2975} = \begin{bmatrix} 1005 \\ 0176 \end{bmatrix} \\
617 &= \mathbf{PI}(7, 3, 3, 7, 1, 0) = L_{626} = \begin{bmatrix} 1001 \\ 0125 \end{bmatrix} \\
618 &= \mathbf{PI}(1, 4, 3, 7, 1, 0) = L_{4099} = \begin{bmatrix} 1007 \\ 0131 \end{bmatrix} \\
619 &= \mathbf{PI}(6, 5, 3, 7, 1, 0) = L_{1774} = \begin{bmatrix} 1003 \\ 0162 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
620 &= \mathbf{PI}(5, 6, 3, 7, 1, 0) = L_{1228} = \begin{bmatrix} 1002 \\ 0147 \end{bmatrix} \\
621 &= \mathbf{PI}(3, 7, 3, 7, 1, 0) = L_{3537} = \begin{bmatrix} 1006 \\ 0114 \end{bmatrix} \\
622 &= \mathbf{PI}(6, 1, 4, 7, 1, 0) = L_{1773} = \begin{bmatrix} 1003 \\ 0152 \end{bmatrix} \\
623 &= \mathbf{PI}(3, 2, 4, 7, 1, 0) = L_{3543} = \begin{bmatrix} 1006 \\ 0174 \end{bmatrix} \\
624 &= \mathbf{PI}(2, 3, 4, 7, 1, 0) = L_{2970} = \begin{bmatrix} 1005 \\ 0126 \end{bmatrix} \\
625 &= \mathbf{PI}(7, 4, 4, 7, 1, 0) = L_{627} = \begin{bmatrix} 1001 \\ 0135 \end{bmatrix} \\
626 &= \mathbf{PI}(5, 5, 4, 7, 1, 0) = L_{1230} = \begin{bmatrix} 1002 \\ 0167 \end{bmatrix} \\
627 &= \mathbf{PI}(1, 6, 4, 7, 1, 0) = L_{4100} = \begin{bmatrix} 1007 \\ 0141 \end{bmatrix} \\
628 &= \mathbf{PI}(4, 7, 4, 7, 1, 0) = L_{2361} = \begin{bmatrix} 1004 \\ 0113 \end{bmatrix} \\
629 &= \mathbf{PI}(1, 1, 5, 7, 1, 0) = L_{4101} = \begin{bmatrix} 1007 \\ 0151 \end{bmatrix} \\
630 &= \mathbf{PI}(6, 2, 5, 7, 1, 0) = L_{1775} = \begin{bmatrix} 1003 \\ 0172 \end{bmatrix} \\
631 &= \mathbf{PI}(4, 3, 5, 7, 1, 0) = L_{2362} = \begin{bmatrix} 1004 \\ 0123 \end{bmatrix} \\
632 &= \mathbf{PI}(3, 4, 5, 7, 1, 0) = L_{3539} = \begin{bmatrix} 1006 \\ 0134 \end{bmatrix} \\
633 &= \mathbf{PI}(7, 5, 5, 7, 1, 0) = L_{630} = \begin{bmatrix} 1001 \\ 0165 \end{bmatrix} \\
634 &= \mathbf{PI}(2, 6, 5, 7, 1, 0) = L_{2972} = \begin{bmatrix} 1005 \\ 0146 \end{bmatrix} \\
635 &= \mathbf{PI}(5, 7, 5, 7, 1, 0) = L_{1225} = \begin{bmatrix} 1002 \\ 0117 \end{bmatrix} \\
636 &= \mathbf{PI}(5, 1, 6, 7, 1, 0) = L_{1229} = \begin{bmatrix} 1002 \\ 0157 \end{bmatrix} \\
637 &= \mathbf{PI}(4, 2, 6, 7, 1, 0) = L_{2367} = \begin{bmatrix} 1004 \\ 0173 \end{bmatrix} \\
638 &= \mathbf{PI}(3, 3, 6, 7, 1, 0) = L_{3538} = \begin{bmatrix} 1006 \\ 0124 \end{bmatrix} \\
639 &= \mathbf{PI}(2, 4, 6, 7, 1, 0) = L_{2971} = \begin{bmatrix} 1005 \\ 0136 \end{bmatrix} \\
640 &= \mathbf{PI}(1, 5, 6, 7, 1, 0) = L_{4102} = \begin{bmatrix} 1007 \\ 0161 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
641 &= \mathbf{PI}(7, 6, 6, 7, 1, 0) = L_{628} = \begin{bmatrix} 1001 \\ 0145 \end{bmatrix} \\
642 &= \mathbf{PI}(6, 7, 6, 7, 1, 0) = L_{1769} = \begin{bmatrix} 1003 \\ 0112 \end{bmatrix} \\
643 &= \mathbf{PI}(2, 1, 7, 7, 1, 0) = L_{2973} = \begin{bmatrix} 1005 \\ 0156 \end{bmatrix} \\
644 &= \mathbf{PI}(1, 2, 7, 7, 1, 0) = L_{4103} = \begin{bmatrix} 1007 \\ 0171 \end{bmatrix} \\
645 &= \mathbf{PI}(5, 3, 7, 7, 1, 0) = L_{1226} = \begin{bmatrix} 1002 \\ 0127 \end{bmatrix} \\
646 &= \mathbf{PI}(6, 4, 7, 7, 1, 0) = L_{1771} = \begin{bmatrix} 1003 \\ 0132 \end{bmatrix} \\
647 &= \mathbf{PI}(3, 5, 7, 7, 1, 0) = L_{3542} = \begin{bmatrix} 1006 \\ 0164 \end{bmatrix} \\
648 &= \mathbf{PI}(4, 6, 7, 7, 1, 0) = L_{2364} = \begin{bmatrix} 1004 \\ 0143 \end{bmatrix} \\
649 &= \mathbf{PI}(7, 7, 7, 7, 1, 0) = L_{625} = \begin{bmatrix} 1001 \\ 0115 \end{bmatrix} \\
650 &= \mathbf{PI}(1, 0, 0, 0, 0, 1) = L_{73} = \begin{bmatrix} 1010 \\ 0100 \end{bmatrix} \\
651 &= \mathbf{PI}(2, 0, 0, 0, 0, 1) = L_{438} = \begin{bmatrix} 1060 \\ 0100 \end{bmatrix} \\
652 &= \mathbf{PI}(3, 0, 0, 0, 0, 1) = L_{292} = \begin{bmatrix} 1040 \\ 0100 \end{bmatrix} \\
653 &= \mathbf{PI}(4, 0, 0, 0, 0, 1) = L_{219} = \begin{bmatrix} 1030 \\ 0100 \end{bmatrix} \\
654 &= \mathbf{PI}(5, 0, 0, 0, 0, 1) = L_{511} = \begin{bmatrix} 1070 \\ 0100 \end{bmatrix} \\
655 &= \mathbf{PI}(6, 0, 0, 0, 0, 1) = L_{146} = \begin{bmatrix} 1020 \\ 0100 \end{bmatrix} \\
656 &= \mathbf{PI}(7, 0, 0, 0, 0, 1) = L_{365} = \begin{bmatrix} 1050 \\ 0100 \end{bmatrix} \\
657 &= \mathbf{PI}(0, 1, 0, 0, 0, 1) = L_{4681} = \begin{bmatrix} 0101 \\ 0010 \end{bmatrix} \\
658 &= \mathbf{PI}(0, 2, 0, 0, 0, 1) = L_{4690} = \begin{bmatrix} 0102 \\ 0010 \end{bmatrix} \\
659 &= \mathbf{PI}(0, 3, 0, 0, 0, 1) = L_{4699} = \begin{bmatrix} 0103 \\ 0010 \end{bmatrix} \\
660 &= \mathbf{PI}(0, 4, 0, 0, 0, 1) = L_{4708} = \begin{bmatrix} 0104 \\ 0010 \end{bmatrix} \\
661 &= \mathbf{PI}(0, 5, 0, 0, 0, 1) = L_{4717} = \begin{bmatrix} 0105 \\ 0010 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
662 &= \mathbf{PI}(0, 6, 0, 0, 0, 1) = L_{4726} = \begin{bmatrix} 0106 \\ 0010 \end{bmatrix} \\
663 &= \mathbf{PI}(0, 7, 0, 0, 0, 1) = L_{4735} = \begin{bmatrix} 0107 \\ 0010 \end{bmatrix} \\
664 &= \mathbf{PI}(0, 0, 1, 0, 0, 1) = L_{137} = \begin{bmatrix} 1100 \\ 0010 \end{bmatrix} \\
665 &= \mathbf{PI}(1, 0, 1, 0, 0, 1) = L_{74} = \begin{bmatrix} 1010 \\ 0110 \end{bmatrix} \\
666 &= \mathbf{PI}(2, 0, 1, 0, 0, 1) = L_{444} = \begin{bmatrix} 1060 \\ 0160 \end{bmatrix} \\
667 &= \mathbf{PI}(3, 0, 1, 0, 0, 1) = L_{296} = \begin{bmatrix} 1040 \\ 0140 \end{bmatrix} \\
668 &= \mathbf{PI}(4, 0, 1, 0, 0, 1) = L_{222} = \begin{bmatrix} 1030 \\ 0130 \end{bmatrix} \\
669 &= \mathbf{PI}(5, 0, 1, 0, 0, 1) = L_{518} = \begin{bmatrix} 1070 \\ 0170 \end{bmatrix} \\
670 &= \mathbf{PI}(6, 0, 1, 0, 0, 1) = L_{148} = \begin{bmatrix} 1020 \\ 0120 \end{bmatrix} \\
671 &= \mathbf{PI}(7, 0, 1, 0, 0, 1) = L_{370} = \begin{bmatrix} 1050 \\ 0150 \end{bmatrix} \\
672 &= \mathbf{PI}(0, 1, 1, 0, 0, 1) = L_{721} = \begin{bmatrix} 1101 \\ 0010 \end{bmatrix} \\
673 &= \mathbf{PI}(0, 2, 1, 0, 0, 1) = L_{1305} = \begin{bmatrix} 1102 \\ 0010 \end{bmatrix} \\
674 &= \mathbf{PI}(0, 3, 1, 0, 0, 1) = L_{1889} = \begin{bmatrix} 1103 \\ 0010 \end{bmatrix} \\
675 &= \mathbf{PI}(0, 4, 1, 0, 0, 1) = L_{2473} = \begin{bmatrix} 1104 \\ 0010 \end{bmatrix} \\
676 &= \mathbf{PI}(0, 5, 1, 0, 0, 1) = L_{3057} = \begin{bmatrix} 1105 \\ 0010 \end{bmatrix} \\
677 &= \mathbf{PI}(0, 6, 1, 0, 0, 1) = L_{3641} = \begin{bmatrix} 1106 \\ 0010 \end{bmatrix} \\
678 &= \mathbf{PI}(0, 7, 1, 0, 0, 1) = L_{4225} = \begin{bmatrix} 1107 \\ 0010 \end{bmatrix} \\
679 &= \mathbf{PI}(0, 0, 2, 0, 0, 1) = L_{502} = \begin{bmatrix} 1600 \\ 0010 \end{bmatrix} \\
680 &= \mathbf{PI}(1, 0, 2, 0, 0, 1) = L_{75} = \begin{bmatrix} 1010 \\ 0120 \end{bmatrix} \\
681 &= \mathbf{PI}(2, 0, 2, 0, 0, 1) = L_{439} = \begin{bmatrix} 1060 \\ 0110 \end{bmatrix} \\
682 &= \mathbf{PI}(3, 0, 2, 0, 0, 1) = L_{297} = \begin{bmatrix} 1040 \\ 0150 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
683 &= \mathbf{PI}(4, 0, 2, 0, 0, 1) = L_{225} = \begin{bmatrix} 1030 \\ 0160 \end{bmatrix} \\
684 &= \mathbf{PI}(5, 0, 2, 0, 0, 1) = L_{514} = \begin{bmatrix} 1070 \\ 0130 \end{bmatrix} \\
685 &= \mathbf{PI}(6, 0, 2, 0, 0, 1) = L_{150} = \begin{bmatrix} 1020 \\ 0140 \end{bmatrix} \\
686 &= \mathbf{PI}(7, 0, 2, 0, 0, 1) = L_{372} = \begin{bmatrix} 1050 \\ 0170 \end{bmatrix} \\
687 &= \mathbf{PI}(0, 1, 2, 0, 0, 1) = L_{4006} = \begin{bmatrix} 1606 \\ 0010 \end{bmatrix} \\
688 &= \mathbf{PI}(0, 2, 2, 0, 0, 1) = L_{1086} = \begin{bmatrix} 1601 \\ 0010 \end{bmatrix} \\
689 &= \mathbf{PI}(0, 3, 2, 0, 0, 1) = L_{4590} = \begin{bmatrix} 1607 \\ 0010 \end{bmatrix} \\
690 &= \mathbf{PI}(0, 4, 2, 0, 0, 1) = L_{1670} = \begin{bmatrix} 1602 \\ 0010 \end{bmatrix} \\
691 &= \mathbf{PI}(0, 5, 2, 0, 0, 1) = L_{2838} = \begin{bmatrix} 1604 \\ 0010 \end{bmatrix} \\
692 &= \mathbf{PI}(0, 6, 2, 0, 0, 1) = L_{2254} = \begin{bmatrix} 1603 \\ 0010 \end{bmatrix} \\
693 &= \mathbf{PI}(0, 7, 2, 0, 0, 1) = L_{3422} = \begin{bmatrix} 1605 \\ 0010 \end{bmatrix} \\
694 &= \mathbf{PI}(0, 0, 3, 0, 0, 1) = L_{356} = \begin{bmatrix} 1400 \\ 0010 \end{bmatrix} \\
695 &= \mathbf{PI}(1, 0, 3, 0, 0, 1) = L_{76} = \begin{bmatrix} 1010 \\ 0130 \end{bmatrix} \\
696 &= \mathbf{PI}(2, 0, 3, 0, 0, 1) = L_{445} = \begin{bmatrix} 1060 \\ 0170 \end{bmatrix} \\
697 &= \mathbf{PI}(3, 0, 3, 0, 0, 1) = L_{293} = \begin{bmatrix} 1040 \\ 0110 \end{bmatrix} \\
698 &= \mathbf{PI}(4, 0, 3, 0, 0, 1) = L_{224} = \begin{bmatrix} 1030 \\ 0150 \end{bmatrix} \\
699 &= \mathbf{PI}(5, 0, 3, 0, 0, 1) = L_{515} = \begin{bmatrix} 1070 \\ 0140 \end{bmatrix} \\
700 &= \mathbf{PI}(6, 0, 3, 0, 0, 1) = L_{152} = \begin{bmatrix} 1020 \\ 0160 \end{bmatrix} \\
701 &= \mathbf{PI}(7, 0, 3, 0, 0, 1) = L_{367} = \begin{bmatrix} 1050 \\ 0120 \end{bmatrix} \\
702 &= \mathbf{PI}(0, 1, 3, 0, 0, 1) = L_{2692} = \begin{bmatrix} 1404 \\ 0010 \end{bmatrix} \\
703 &= \mathbf{PI}(0, 2, 3, 0, 0, 1) = L_{3276} = \begin{bmatrix} 1405 \\ 0010 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
704 &= \mathbf{PI}(0, 3, 3, 0, 0, 1) = L_{940} = \begin{bmatrix} 1401 \\ 0010 \end{bmatrix} \\
705 &= \mathbf{PI}(0, 4, 3, 0, 0, 1) = L_{4444} = \begin{bmatrix} 1407 \\ 0010 \end{bmatrix} \\
706 &= \mathbf{PI}(0, 5, 3, 0, 0, 1) = L_{2108} = \begin{bmatrix} 1403 \\ 0010 \end{bmatrix} \\
707 &= \mathbf{PI}(0, 6, 3, 0, 0, 1) = L_{1524} = \begin{bmatrix} 1402 \\ 0010 \end{bmatrix} \\
708 &= \mathbf{PI}(0, 7, 3, 0, 0, 1) = L_{3860} = \begin{bmatrix} 1406 \\ 0010 \end{bmatrix} \\
709 &= \mathbf{PI}(0, 0, 4, 0, 0, 1) = L_{283} = \begin{bmatrix} 1300 \\ 0010 \end{bmatrix} \\
710 &= \mathbf{PI}(1, 0, 4, 0, 0, 1) = L_{77} = \begin{bmatrix} 1010 \\ 0140 \end{bmatrix} \\
711 &= \mathbf{PI}(2, 0, 4, 0, 0, 1) = L_{440} = \begin{bmatrix} 1060 \\ 0120 \end{bmatrix} \\
712 &= \mathbf{PI}(3, 0, 4, 0, 0, 1) = L_{299} = \begin{bmatrix} 1040 \\ 0170 \end{bmatrix} \\
713 &= \mathbf{PI}(4, 0, 4, 0, 0, 1) = L_{220} = \begin{bmatrix} 1030 \\ 0110 \end{bmatrix} \\
714 &= \mathbf{PI}(5, 0, 4, 0, 0, 1) = L_{517} = \begin{bmatrix} 1070 \\ 0160 \end{bmatrix} \\
715 &= \mathbf{PI}(6, 0, 4, 0, 0, 1) = L_{151} = \begin{bmatrix} 1020 \\ 0150 \end{bmatrix} \\
716 &= \mathbf{PI}(7, 0, 4, 0, 0, 1) = L_{368} = \begin{bmatrix} 1050 \\ 0130 \end{bmatrix} \\
717 &= \mathbf{PI}(0, 1, 4, 0, 0, 1) = L_{2035} = \begin{bmatrix} 1303 \\ 0010 \end{bmatrix} \\
718 &= \mathbf{PI}(0, 2, 4, 0, 0, 1) = L_{3787} = \begin{bmatrix} 1306 \\ 0010 \end{bmatrix} \\
719 &= \mathbf{PI}(0, 3, 4, 0, 0, 1) = L_{3203} = \begin{bmatrix} 1305 \\ 0010 \end{bmatrix} \\
720 &= \mathbf{PI}(0, 4, 4, 0, 0, 1) = L_{867} = \begin{bmatrix} 1301 \\ 0010 \end{bmatrix} \\
721 &= \mathbf{PI}(0, 5, 4, 0, 0, 1) = L_{1451} = \begin{bmatrix} 1302 \\ 0010 \end{bmatrix} \\
722 &= \mathbf{PI}(0, 6, 4, 0, 0, 1) = L_{4371} = \begin{bmatrix} 1307 \\ 0010 \end{bmatrix} \\
723 &= \mathbf{PI}(0, 7, 4, 0, 0, 1) = L_{2619} = \begin{bmatrix} 1304 \\ 0010 \end{bmatrix} \\
724 &= \mathbf{PI}(0, 0, 5, 0, 0, 1) = L_{575} = \begin{bmatrix} 1700 \\ 0010 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
725 &= \mathbf{PI}(1, 0, 5, 0, 0, 1) = L_{78} = \begin{bmatrix} 1010 \\ 0150 \end{bmatrix} \\
726 &= \mathbf{PI}(2, 0, 5, 0, 0, 1) = L_{442} = \begin{bmatrix} 1060 \\ 0140 \end{bmatrix} \\
727 &= \mathbf{PI}(3, 0, 5, 0, 0, 1) = L_{295} = \begin{bmatrix} 1040 \\ 0130 \end{bmatrix} \\
728 &= \mathbf{PI}(4, 0, 5, 0, 0, 1) = L_{221} = \begin{bmatrix} 1030 \\ 0120 \end{bmatrix} \\
729 &= \mathbf{PI}(5, 0, 5, 0, 0, 1) = L_{512} = \begin{bmatrix} 1070 \\ 0110 \end{bmatrix} \\
730 &= \mathbf{PI}(6, 0, 5, 0, 0, 1) = L_{153} = \begin{bmatrix} 1020 \\ 0170 \end{bmatrix} \\
731 &= \mathbf{PI}(7, 0, 5, 0, 0, 1) = L_{371} = \begin{bmatrix} 1050 \\ 0160 \end{bmatrix} \\
732 &= \mathbf{PI}(0, 1, 5, 0, 0, 1) = L_{4663} = \begin{bmatrix} 1707 \\ 0010 \end{bmatrix} \\
733 &= \mathbf{PI}(0, 2, 5, 0, 0, 1) = L_{2327} = \begin{bmatrix} 1703 \\ 0010 \end{bmatrix} \\
734 &= \mathbf{PI}(0, 3, 5, 0, 0, 1) = L_{2911} = \begin{bmatrix} 1704 \\ 0010 \end{bmatrix} \\
735 &= \mathbf{PI}(0, 4, 5, 0, 0, 1) = L_{4079} = \begin{bmatrix} 1706 \\ 0010 \end{bmatrix} \\
736 &= \mathbf{PI}(0, 5, 5, 0, 0, 1) = L_{1159} = \begin{bmatrix} 1701 \\ 0010 \end{bmatrix} \\
737 &= \mathbf{PI}(0, 6, 5, 0, 0, 1) = L_{3495} = \begin{bmatrix} 1705 \\ 0010 \end{bmatrix} \\
738 &= \mathbf{PI}(0, 7, 5, 0, 0, 1) = L_{1743} = \begin{bmatrix} 1702 \\ 0010 \end{bmatrix} \\
739 &= \mathbf{PI}(0, 0, 6, 0, 0, 1) = L_{210} = \begin{bmatrix} 1200 \\ 0010 \end{bmatrix} \\
740 &= \mathbf{PI}(1, 0, 6, 0, 0, 1) = L_{79} = \begin{bmatrix} 1010 \\ 0160 \end{bmatrix} \\
741 &= \mathbf{PI}(2, 0, 6, 0, 0, 1) = L_{441} = \begin{bmatrix} 1060 \\ 0130 \end{bmatrix} \\
742 &= \mathbf{PI}(3, 0, 6, 0, 0, 1) = L_{294} = \begin{bmatrix} 1040 \\ 0120 \end{bmatrix} \\
743 &= \mathbf{PI}(4, 0, 6, 0, 0, 1) = L_{226} = \begin{bmatrix} 1030 \\ 0170 \end{bmatrix} \\
744 &= \mathbf{PI}(5, 0, 6, 0, 0, 1) = L_{516} = \begin{bmatrix} 1070 \\ 0150 \end{bmatrix} \\
745 &= \mathbf{PI}(6, 0, 6, 0, 0, 1) = L_{147} = \begin{bmatrix} 1020 \\ 0110 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
746 &= \mathbf{PI}(7, 0, 6, 0, 0, 1) = L_{369} = \begin{bmatrix} 1050 \\ 0140 \end{bmatrix} \\
747 &= \mathbf{PI}(0, 1, 6, 0, 0, 1) = L_{1378} = \begin{bmatrix} 1202 \\ 0010 \end{bmatrix} \\
748 &= \mathbf{PI}(0, 2, 6, 0, 0, 1) = L_{2546} = \begin{bmatrix} 1204 \\ 0010 \end{bmatrix} \\
749 &= \mathbf{PI}(0, 3, 6, 0, 0, 1) = L_{3714} = \begin{bmatrix} 1206 \\ 0010 \end{bmatrix} \\
750 &= \mathbf{PI}(0, 4, 6, 0, 0, 1) = L_{3130} = \begin{bmatrix} 1205 \\ 0010 \end{bmatrix} \\
751 &= \mathbf{PI}(0, 5, 6, 0, 0, 1) = L_{4298} = \begin{bmatrix} 1207 \\ 0010 \end{bmatrix} \\
752 &= \mathbf{PI}(0, 6, 6, 0, 0, 1) = L_{794} = \begin{bmatrix} 1201 \\ 0010 \end{bmatrix} \\
753 &= \mathbf{PI}(0, 7, 6, 0, 0, 1) = L_{1962} = \begin{bmatrix} 1203 \\ 0010 \end{bmatrix} \\
754 &= \mathbf{PI}(0, 0, 7, 0, 0, 1) = L_{429} = \begin{bmatrix} 1500 \\ 0010 \end{bmatrix} \\
755 &= \mathbf{PI}(1, 0, 7, 0, 0, 1) = L_{80} = \begin{bmatrix} 1010 \\ 0170 \end{bmatrix} \\
756 &= \mathbf{PI}(2, 0, 7, 0, 0, 1) = L_{443} = \begin{bmatrix} 1060 \\ 0150 \end{bmatrix} \\
757 &= \mathbf{PI}(3, 0, 7, 0, 0, 1) = L_{298} = \begin{bmatrix} 1040 \\ 0160 \end{bmatrix} \\
758 &= \mathbf{PI}(4, 0, 7, 0, 0, 1) = L_{223} = \begin{bmatrix} 1030 \\ 0140 \end{bmatrix} \\
759 &= \mathbf{PI}(5, 0, 7, 0, 0, 1) = L_{513} = \begin{bmatrix} 1070 \\ 0120 \end{bmatrix} \\
760 &= \mathbf{PI}(6, 0, 7, 0, 0, 1) = L_{149} = \begin{bmatrix} 1020 \\ 0130 \end{bmatrix} \\
761 &= \mathbf{PI}(7, 0, 7, 0, 0, 1) = L_{366} = \begin{bmatrix} 1050 \\ 0110 \end{bmatrix} \\
762 &= \mathbf{PI}(0, 1, 7, 0, 0, 1) = L_{3349} = \begin{bmatrix} 1505 \\ 0010 \end{bmatrix} \\
763 &= \mathbf{PI}(0, 2, 7, 0, 0, 1) = L_{4517} = \begin{bmatrix} 1507 \\ 0010 \end{bmatrix} \\
764 &= \mathbf{PI}(0, 3, 7, 0, 0, 1) = L_{1597} = \begin{bmatrix} 1502 \\ 0010 \end{bmatrix} \\
765 &= \mathbf{PI}(0, 4, 7, 0, 0, 1) = L_{2181} = \begin{bmatrix} 1503 \\ 0010 \end{bmatrix} \\
766 &= \mathbf{PI}(0, 5, 7, 0, 0, 1) = L_{3933} = \begin{bmatrix} 1506 \\ 0010 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
767 &= \mathbf{PI}(0, 6, 7, 0, 0, 1) = L_{2765} = \begin{bmatrix} 1504 \\ 0010 \end{bmatrix} \\
768 &= \mathbf{PI}(0, 7, 7, 0, 0, 1) = L_{1013} = \begin{bmatrix} 1501 \\ 0010 \end{bmatrix} \\
769 &= \mathbf{PI}(0, 0, 0, 1, 0, 1) = L_{4673} = \begin{bmatrix} 0100 \\ 0011 \end{bmatrix} \\
770 &= \mathbf{PI}(1, 0, 0, 1, 0, 1) = L_{657} = \begin{bmatrix} 1011 \\ 0100 \end{bmatrix} \\
771 &= \mathbf{PI}(2, 0, 0, 1, 0, 1) = L_{3942} = \begin{bmatrix} 1066 \\ 0100 \end{bmatrix} \\
772 &= \mathbf{PI}(3, 0, 0, 1, 0, 1) = L_{2628} = \begin{bmatrix} 1044 \\ 0100 \end{bmatrix} \\
773 &= \mathbf{PI}(4, 0, 0, 1, 0, 1) = L_{1971} = \begin{bmatrix} 1033 \\ 0100 \end{bmatrix} \\
774 &= \mathbf{PI}(5, 0, 0, 1, 0, 1) = L_{4599} = \begin{bmatrix} 1077 \\ 0100 \end{bmatrix} \\
775 &= \mathbf{PI}(6, 0, 0, 1, 0, 1) = L_{1314} = \begin{bmatrix} 1022 \\ 0100 \end{bmatrix} \\
776 &= \mathbf{PI}(7, 0, 0, 1, 0, 1) = L_{3285} = \begin{bmatrix} 1055 \\ 0100 \end{bmatrix} \\
777 &= \mathbf{PI}(0, 1, 0, 1, 0, 1) = L_{4682} = \begin{bmatrix} 0101 \\ 0011 \end{bmatrix} \\
778 &= \mathbf{PI}(0, 2, 0, 1, 0, 1) = L_{4691} = \begin{bmatrix} 0102 \\ 0011 \end{bmatrix} \\
779 &= \mathbf{PI}(0, 3, 0, 1, 0, 1) = L_{4700} = \begin{bmatrix} 0103 \\ 0011 \end{bmatrix} \\
780 &= \mathbf{PI}(0, 4, 0, 1, 0, 1) = L_{4709} = \begin{bmatrix} 0104 \\ 0011 \end{bmatrix} \\
781 &= \mathbf{PI}(0, 5, 0, 1, 0, 1) = L_{4718} = \begin{bmatrix} 0105 \\ 0011 \end{bmatrix} \\
782 &= \mathbf{PI}(0, 6, 0, 1, 0, 1) = L_{4727} = \begin{bmatrix} 0106 \\ 0011 \end{bmatrix} \\
783 &= \mathbf{PI}(0, 7, 0, 1, 0, 1) = L_{4736} = \begin{bmatrix} 0107 \\ 0011 \end{bmatrix} \\
784 &= \mathbf{PI}(1, 1, 1, 1, 0, 1) = L_{658} = \begin{bmatrix} 1011 \\ 0110 \end{bmatrix} \\
785 &= \mathbf{PI}(6, 2, 1, 1, 0, 1) = L_{1316} = \begin{bmatrix} 1022 \\ 0120 \end{bmatrix} \\
786 &= \mathbf{PI}(4, 3, 1, 1, 0, 1) = L_{1974} = \begin{bmatrix} 1033 \\ 0130 \end{bmatrix} \\
787 &= \mathbf{PI}(3, 4, 1, 1, 0, 1) = L_{2632} = \begin{bmatrix} 1044 \\ 0140 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
788 &= \mathbf{PI}(7, 5, 1, 1, 0, 1) = L_{3290} = \begin{bmatrix} 1055 \\ 0150 \end{bmatrix} \\
789 &= \mathbf{PI}(2, 6, 1, 1, 0, 1) = L_{3948} = \begin{bmatrix} 1066 \\ 0160 \end{bmatrix} \\
790 &= \mathbf{PI}(5, 7, 1, 1, 0, 1) = L_{4606} = \begin{bmatrix} 1077 \\ 0170 \end{bmatrix} \\
791 &= \mathbf{PI}(2, 1, 2, 1, 0, 1) = L_{3943} = \begin{bmatrix} 1066 \\ 0110 \end{bmatrix} \\
792 &= \mathbf{PI}(1, 2, 2, 1, 0, 1) = L_{659} = \begin{bmatrix} 1011 \\ 0120 \end{bmatrix} \\
793 &= \mathbf{PI}(5, 3, 2, 1, 0, 1) = L_{4602} = \begin{bmatrix} 1077 \\ 0130 \end{bmatrix} \\
794 &= \mathbf{PI}(6, 4, 2, 1, 0, 1) = L_{1318} = \begin{bmatrix} 1022 \\ 0140 \end{bmatrix} \\
795 &= \mathbf{PI}(3, 5, 2, 1, 0, 1) = L_{2633} = \begin{bmatrix} 1044 \\ 0150 \end{bmatrix} \\
796 &= \mathbf{PI}(4, 6, 2, 1, 0, 1) = L_{1977} = \begin{bmatrix} 1033 \\ 0160 \end{bmatrix} \\
797 &= \mathbf{PI}(7, 7, 2, 1, 0, 1) = L_{3292} = \begin{bmatrix} 1055 \\ 0170 \end{bmatrix} \\
798 &= \mathbf{PI}(3, 1, 3, 1, 0, 1) = L_{2629} = \begin{bmatrix} 1044 \\ 0110 \end{bmatrix} \\
799 &= \mathbf{PI}(7, 2, 3, 1, 0, 1) = L_{3287} = \begin{bmatrix} 1055 \\ 0120 \end{bmatrix} \\
800 &= \mathbf{PI}(1, 3, 3, 1, 0, 1) = L_{660} = \begin{bmatrix} 1011 \\ 0130 \end{bmatrix} \\
801 &= \mathbf{PI}(5, 4, 3, 1, 0, 1) = L_{4603} = \begin{bmatrix} 1077 \\ 0140 \end{bmatrix} \\
802 &= \mathbf{PI}(4, 5, 3, 1, 0, 1) = L_{1976} = \begin{bmatrix} 1033 \\ 0150 \end{bmatrix} \\
803 &= \mathbf{PI}(6, 6, 3, 1, 0, 1) = L_{1320} = \begin{bmatrix} 1022 \\ 0160 \end{bmatrix} \\
804 &= \mathbf{PI}(2, 7, 3, 1, 0, 1) = L_{3949} = \begin{bmatrix} 1066 \\ 0170 \end{bmatrix} \\
805 &= \mathbf{PI}(4, 1, 4, 1, 0, 1) = L_{1972} = \begin{bmatrix} 1033 \\ 0110 \end{bmatrix} \\
806 &= \mathbf{PI}(2, 2, 4, 1, 0, 1) = L_{3944} = \begin{bmatrix} 1066 \\ 0120 \end{bmatrix} \\
807 &= \mathbf{PI}(7, 3, 4, 1, 0, 1) = L_{3288} = \begin{bmatrix} 1055 \\ 0130 \end{bmatrix} \\
808 &= \mathbf{PI}(1, 4, 4, 1, 0, 1) = L_{661} = \begin{bmatrix} 1011 \\ 0140 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
809 &= \mathbf{PI}(6, 5, 4, 1, 0, 1) = L_{1319} = \begin{bmatrix} 1022 \\ 0150 \end{bmatrix} \\
810 &= \mathbf{PI}(5, 6, 4, 1, 0, 1) = L_{4605} = \begin{bmatrix} 1077 \\ 0160 \end{bmatrix} \\
811 &= \mathbf{PI}(3, 7, 4, 1, 0, 1) = L_{2635} = \begin{bmatrix} 1044 \\ 0170 \end{bmatrix} \\
812 &= \mathbf{PI}(5, 1, 5, 1, 0, 1) = L_{4600} = \begin{bmatrix} 1077 \\ 0110 \end{bmatrix} \\
813 &= \mathbf{PI}(4, 2, 5, 1, 0, 1) = L_{1973} = \begin{bmatrix} 1033 \\ 0120 \end{bmatrix} \\
814 &= \mathbf{PI}(3, 3, 5, 1, 0, 1) = L_{2631} = \begin{bmatrix} 1044 \\ 0130 \end{bmatrix} \\
815 &= \mathbf{PI}(2, 4, 5, 1, 0, 1) = L_{3946} = \begin{bmatrix} 1066 \\ 0140 \end{bmatrix} \\
816 &= \mathbf{PI}(1, 5, 5, 1, 0, 1) = L_{662} = \begin{bmatrix} 1011 \\ 0150 \end{bmatrix} \\
817 &= \mathbf{PI}(7, 6, 5, 1, 0, 1) = L_{3291} = \begin{bmatrix} 1055 \\ 0160 \end{bmatrix} \\
818 &= \mathbf{PI}(6, 7, 5, 1, 0, 1) = L_{1321} = \begin{bmatrix} 1022 \\ 0170 \end{bmatrix} \\
819 &= \mathbf{PI}(6, 1, 6, 1, 0, 1) = L_{1315} = \begin{bmatrix} 1022 \\ 0110 \end{bmatrix} \\
820 &= \mathbf{PI}(3, 2, 6, 1, 0, 1) = L_{2630} = \begin{bmatrix} 1044 \\ 0120 \end{bmatrix} \\
821 &= \mathbf{PI}(2, 3, 6, 1, 0, 1) = L_{3945} = \begin{bmatrix} 1066 \\ 0130 \end{bmatrix} \\
822 &= \mathbf{PI}(7, 4, 6, 1, 0, 1) = L_{3289} = \begin{bmatrix} 1055 \\ 0140 \end{bmatrix} \\
823 &= \mathbf{PI}(5, 5, 6, 1, 0, 1) = L_{4604} = \begin{bmatrix} 1077 \\ 0150 \end{bmatrix} \\
824 &= \mathbf{PI}(1, 6, 6, 1, 0, 1) = L_{663} = \begin{bmatrix} 1011 \\ 0160 \end{bmatrix} \\
825 &= \mathbf{PI}(4, 7, 6, 1, 0, 1) = L_{1978} = \begin{bmatrix} 1033 \\ 0170 \end{bmatrix} \\
826 &= \mathbf{PI}(7, 1, 7, 1, 0, 1) = L_{3286} = \begin{bmatrix} 1055 \\ 0110 \end{bmatrix} \\
827 &= \mathbf{PI}(5, 2, 7, 1, 0, 1) = L_{4601} = \begin{bmatrix} 1077 \\ 0120 \end{bmatrix} \\
828 &= \mathbf{PI}(6, 3, 7, 1, 0, 1) = L_{1317} = \begin{bmatrix} 1022 \\ 0130 \end{bmatrix} \\
829 &= \mathbf{PI}(4, 4, 7, 1, 0, 1) = L_{1975} = \begin{bmatrix} 1033 \\ 0140 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
830 &= \mathbf{PI}(2, 5, 7, 1, 0, 1) = L_{3947} = \begin{bmatrix} 1066 \\ 0150 \end{bmatrix} \\
831 &= \mathbf{PI}(3, 6, 7, 1, 0, 1) = L_{2634} = \begin{bmatrix} 1044 \\ 0160 \end{bmatrix} \\
832 &= \mathbf{PI}(1, 7, 7, 1, 0, 1) = L_{664} = \begin{bmatrix} 1011 \\ 0170 \end{bmatrix} \\
833 &= \mathbf{PI}(0, 0, 0, 2, 0, 1) = L_{4674} = \begin{bmatrix} 0100 \\ 0012 \end{bmatrix} \\
834 &= \mathbf{PI}(1, 0, 0, 2, 0, 1) = L_{1241} = \begin{bmatrix} 1012 \\ 0100 \end{bmatrix} \\
835 &= \mathbf{PI}(2, 0, 0, 2, 0, 1) = L_{1022} = \begin{bmatrix} 1061 \\ 0100 \end{bmatrix} \\
836 &= \mathbf{PI}(3, 0, 0, 2, 0, 1) = L_{3212} = \begin{bmatrix} 1045 \\ 0100 \end{bmatrix} \\
837 &= \mathbf{PI}(4, 0, 0, 2, 0, 1) = L_{3723} = \begin{bmatrix} 1036 \\ 0100 \end{bmatrix} \\
838 &= \mathbf{PI}(5, 0, 0, 2, 0, 1) = L_{2263} = \begin{bmatrix} 1073 \\ 0100 \end{bmatrix} \\
839 &= \mathbf{PI}(6, 0, 0, 2, 0, 1) = L_{2482} = \begin{bmatrix} 1024 \\ 0100 \end{bmatrix} \\
840 &= \mathbf{PI}(7, 0, 0, 2, 0, 1) = L_{4453} = \begin{bmatrix} 1057 \\ 0100 \end{bmatrix} \\
841 &= \mathbf{PI}(0, 1, 0, 2, 0, 1) = L_{4683} = \begin{bmatrix} 0101 \\ 0012 \end{bmatrix} \\
842 &= \mathbf{PI}(0, 2, 0, 2, 0, 1) = L_{4692} = \begin{bmatrix} 0102 \\ 0012 \end{bmatrix} \\
843 &= \mathbf{PI}(0, 3, 0, 2, 0, 1) = L_{4701} = \begin{bmatrix} 0103 \\ 0012 \end{bmatrix} \\
844 &= \mathbf{PI}(0, 4, 0, 2, 0, 1) = L_{4710} = \begin{bmatrix} 0104 \\ 0012 \end{bmatrix} \\
845 &= \mathbf{PI}(0, 5, 0, 2, 0, 1) = L_{4719} = \begin{bmatrix} 0105 \\ 0012 \end{bmatrix} \\
846 &= \mathbf{PI}(0, 6, 0, 2, 0, 1) = L_{4728} = \begin{bmatrix} 0106 \\ 0012 \end{bmatrix} \\
847 &= \mathbf{PI}(0, 7, 0, 2, 0, 1) = L_{4737} = \begin{bmatrix} 0107 \\ 0012 \end{bmatrix} \\
848 &= \mathbf{PI}(2, 1, 1, 2, 0, 1) = L_{1028} = \begin{bmatrix} 1061 \\ 0160 \end{bmatrix} \\
849 &= \mathbf{PI}(1, 2, 1, 2, 0, 1) = L_{1242} = \begin{bmatrix} 1012 \\ 0110 \end{bmatrix} \\
850 &= \mathbf{PI}(5, 3, 1, 2, 0, 1) = L_{2270} = \begin{bmatrix} 1073 \\ 0170 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
851 &= \mathbf{PI}(6, 4, 1, 2, 0, 1) = L_{2484} = \begin{bmatrix} 1024 \\ 0120 \end{bmatrix} \\
852 &= \mathbf{PI}(3, 5, 1, 2, 0, 1) = L_{3216} = \begin{bmatrix} 1045 \\ 0140 \end{bmatrix} \\
853 &= \mathbf{PI}(4, 6, 1, 2, 0, 1) = L_{3726} = \begin{bmatrix} 1036 \\ 0130 \end{bmatrix} \\
854 &= \mathbf{PI}(7, 7, 1, 2, 0, 1) = L_{4458} = \begin{bmatrix} 1057 \\ 0150 \end{bmatrix} \\
855 &= \mathbf{PI}(4, 1, 2, 2, 0, 1) = L_{3729} = \begin{bmatrix} 1036 \\ 0160 \end{bmatrix} \\
856 &= \mathbf{PI}(2, 2, 2, 2, 0, 1) = L_{1023} = \begin{bmatrix} 1061 \\ 0110 \end{bmatrix} \\
857 &= \mathbf{PI}(7, 3, 2, 2, 0, 1) = L_{4460} = \begin{bmatrix} 1057 \\ 0170 \end{bmatrix} \\
858 &= \mathbf{PI}(1, 4, 2, 2, 0, 1) = L_{1243} = \begin{bmatrix} 1012 \\ 0120 \end{bmatrix} \\
859 &= \mathbf{PI}(6, 5, 2, 2, 0, 1) = L_{2486} = \begin{bmatrix} 1024 \\ 0140 \end{bmatrix} \\
860 &= \mathbf{PI}(5, 6, 2, 2, 0, 1) = L_{2266} = \begin{bmatrix} 1073 \\ 0130 \end{bmatrix} \\
861 &= \mathbf{PI}(3, 7, 2, 2, 0, 1) = L_{3217} = \begin{bmatrix} 1045 \\ 0150 \end{bmatrix} \\
862 &= \mathbf{PI}(6, 1, 3, 2, 0, 1) = L_{2488} = \begin{bmatrix} 1024 \\ 0160 \end{bmatrix} \\
863 &= \mathbf{PI}(3, 2, 3, 2, 0, 1) = L_{3213} = \begin{bmatrix} 1045 \\ 0110 \end{bmatrix} \\
864 &= \mathbf{PI}(2, 3, 3, 2, 0, 1) = L_{1029} = \begin{bmatrix} 1061 \\ 0170 \end{bmatrix} \\
865 &= \mathbf{PI}(7, 4, 3, 2, 0, 1) = L_{4455} = \begin{bmatrix} 1057 \\ 0120 \end{bmatrix} \\
866 &= \mathbf{PI}(5, 5, 3, 2, 0, 1) = L_{2267} = \begin{bmatrix} 1073 \\ 0140 \end{bmatrix} \\
867 &= \mathbf{PI}(1, 6, 3, 2, 0, 1) = L_{1244} = \begin{bmatrix} 1012 \\ 0130 \end{bmatrix} \\
868 &= \mathbf{PI}(4, 7, 3, 2, 0, 1) = L_{3728} = \begin{bmatrix} 1036 \\ 0150 \end{bmatrix} \\
869 &= \mathbf{PI}(5, 1, 4, 2, 0, 1) = L_{2269} = \begin{bmatrix} 1073 \\ 0160 \end{bmatrix} \\
870 &= \mathbf{PI}(4, 2, 4, 2, 0, 1) = L_{3724} = \begin{bmatrix} 1036 \\ 0110 \end{bmatrix} \\
871 &= \mathbf{PI}(3, 3, 4, 2, 0, 1) = L_{3219} = \begin{bmatrix} 1045 \\ 0170 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
872 &= \mathbf{PI}(2, 4, 4, 2, 0, 1) = L_{1024} = \begin{bmatrix} 1061 \\ 0120 \end{bmatrix} \\
873 &= \mathbf{PI}(1, 5, 4, 2, 0, 1) = L_{1245} = \begin{bmatrix} 1012 \\ 0140 \end{bmatrix} \\
874 &= \mathbf{PI}(7, 6, 4, 2, 0, 1) = L_{4456} = \begin{bmatrix} 1057 \\ 0130 \end{bmatrix} \\
875 &= \mathbf{PI}(6, 7, 4, 2, 0, 1) = L_{2487} = \begin{bmatrix} 1024 \\ 0150 \end{bmatrix} \\
876 &= \mathbf{PI}(7, 1, 5, 2, 0, 1) = L_{4459} = \begin{bmatrix} 1057 \\ 0160 \end{bmatrix} \\
877 &= \mathbf{PI}(5, 2, 5, 2, 0, 1) = L_{2264} = \begin{bmatrix} 1073 \\ 0110 \end{bmatrix} \\
878 &= \mathbf{PI}(6, 3, 5, 2, 0, 1) = L_{2489} = \begin{bmatrix} 1024 \\ 0170 \end{bmatrix} \\
879 &= \mathbf{PI}(4, 4, 5, 2, 0, 1) = L_{3725} = \begin{bmatrix} 1036 \\ 0120 \end{bmatrix} \\
880 &= \mathbf{PI}(2, 5, 5, 2, 0, 1) = L_{1026} = \begin{bmatrix} 1061 \\ 0140 \end{bmatrix} \\
881 &= \mathbf{PI}(3, 6, 5, 2, 0, 1) = L_{3215} = \begin{bmatrix} 1045 \\ 0130 \end{bmatrix} \\
882 &= \mathbf{PI}(1, 7, 5, 2, 0, 1) = L_{1246} = \begin{bmatrix} 1012 \\ 0150 \end{bmatrix} \\
883 &= \mathbf{PI}(1, 1, 6, 2, 0, 1) = L_{1247} = \begin{bmatrix} 1012 \\ 0160 \end{bmatrix} \\
884 &= \mathbf{PI}(6, 2, 6, 2, 0, 1) = L_{2483} = \begin{bmatrix} 1024 \\ 0110 \end{bmatrix} \\
885 &= \mathbf{PI}(4, 3, 6, 2, 0, 1) = L_{3730} = \begin{bmatrix} 1036 \\ 0170 \end{bmatrix} \\
886 &= \mathbf{PI}(3, 4, 6, 2, 0, 1) = L_{3214} = \begin{bmatrix} 1045 \\ 0120 \end{bmatrix} \\
887 &= \mathbf{PI}(7, 5, 6, 2, 0, 1) = L_{4457} = \begin{bmatrix} 1057 \\ 0140 \end{bmatrix} \\
888 &= \mathbf{PI}(2, 6, 6, 2, 0, 1) = L_{1025} = \begin{bmatrix} 1061 \\ 0130 \end{bmatrix} \\
889 &= \mathbf{PI}(5, 7, 6, 2, 0, 1) = L_{2268} = \begin{bmatrix} 1073 \\ 0150 \end{bmatrix} \\
890 &= \mathbf{PI}(3, 1, 7, 2, 0, 1) = L_{3218} = \begin{bmatrix} 1045 \\ 0160 \end{bmatrix} \\
891 &= \mathbf{PI}(7, 2, 7, 2, 0, 1) = L_{4454} = \begin{bmatrix} 1057 \\ 0110 \end{bmatrix} \\
892 &= \mathbf{PI}(1, 3, 7, 2, 0, 1) = L_{1248} = \begin{bmatrix} 1012 \\ 0170 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
893 &= \mathbf{PI}(5, 4, 7, 2, 0, 1) = L_{2265} = \begin{bmatrix} 1073 \\ 0120 \end{bmatrix} \\
894 &= \mathbf{PI}(4, 5, 7, 2, 0, 1) = L_{3727} = \begin{bmatrix} 1036 \\ 0140 \end{bmatrix} \\
895 &= \mathbf{PI}(6, 6, 7, 2, 0, 1) = L_{2485} = \begin{bmatrix} 1024 \\ 0130 \end{bmatrix} \\
896 &= \mathbf{PI}(2, 7, 7, 2, 0, 1) = L_{1027} = \begin{bmatrix} 1061 \\ 0150 \end{bmatrix} \\
897 &= \mathbf{PI}(0, 0, 0, 3, 0, 1) = L_{4675} = \begin{bmatrix} 0100 \\ 0013 \end{bmatrix} \\
898 &= \mathbf{PI}(1, 0, 0, 3, 0, 1) = L_{1825} = \begin{bmatrix} 1013 \\ 0100 \end{bmatrix} \\
899 &= \mathbf{PI}(2, 0, 0, 3, 0, 1) = L_{4526} = \begin{bmatrix} 1067 \\ 0100 \end{bmatrix} \\
900 &= \mathbf{PI}(3, 0, 0, 3, 0, 1) = L_{876} = \begin{bmatrix} 1041 \\ 0100 \end{bmatrix} \\
901 &= \mathbf{PI}(4, 0, 0, 3, 0, 1) = L_{3139} = \begin{bmatrix} 1035 \\ 0100 \end{bmatrix} \\
902 &= \mathbf{PI}(5, 0, 0, 3, 0, 1) = L_{2847} = \begin{bmatrix} 1074 \\ 0100 \end{bmatrix} \\
903 &= \mathbf{PI}(6, 0, 0, 3, 0, 1) = L_{3650} = \begin{bmatrix} 1026 \\ 0100 \end{bmatrix} \\
904 &= \mathbf{PI}(7, 0, 0, 3, 0, 1) = L_{1533} = \begin{bmatrix} 1052 \\ 0100 \end{bmatrix} \\
905 &= \mathbf{PI}(0, 1, 0, 3, 0, 1) = L_{4684} = \begin{bmatrix} 0101 \\ 0013 \end{bmatrix} \\
906 &= \mathbf{PI}(0, 2, 0, 3, 0, 1) = L_{4693} = \begin{bmatrix} 0102 \\ 0013 \end{bmatrix} \\
907 &= \mathbf{PI}(0, 3, 0, 3, 0, 1) = L_{4702} = \begin{bmatrix} 0103 \\ 0013 \end{bmatrix} \\
908 &= \mathbf{PI}(0, 4, 0, 3, 0, 1) = L_{4711} = \begin{bmatrix} 0104 \\ 0013 \end{bmatrix} \\
909 &= \mathbf{PI}(0, 5, 0, 3, 0, 1) = L_{4720} = \begin{bmatrix} 0105 \\ 0013 \end{bmatrix} \\
910 &= \mathbf{PI}(0, 6, 0, 3, 0, 1) = L_{4729} = \begin{bmatrix} 0106 \\ 0013 \end{bmatrix} \\
911 &= \mathbf{PI}(0, 7, 0, 3, 0, 1) = L_{4738} = \begin{bmatrix} 0107 \\ 0013 \end{bmatrix} \\
912 &= \mathbf{PI}(3, 1, 1, 3, 0, 1) = L_{880} = \begin{bmatrix} 1041 \\ 0140 \end{bmatrix} \\
913 &= \mathbf{PI}(7, 2, 1, 3, 0, 1) = L_{1538} = \begin{bmatrix} 1052 \\ 0150 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
914 &= \mathbf{PI}(1, 3, 1, 3, 0, 1) = L_{1826} = \begin{bmatrix} 1013 \\ 0110 \end{bmatrix} \\
915 &= \mathbf{PI}(5, 4, 1, 3, 0, 1) = L_{2854} = \begin{bmatrix} 1074 \\ 0170 \end{bmatrix} \\
916 &= \mathbf{PI}(4, 5, 1, 3, 0, 1) = L_{3142} = \begin{bmatrix} 1035 \\ 0130 \end{bmatrix} \\
917 &= \mathbf{PI}(6, 6, 1, 3, 0, 1) = L_{3652} = \begin{bmatrix} 1026 \\ 0120 \end{bmatrix} \\
918 &= \mathbf{PI}(2, 7, 1, 3, 0, 1) = L_{4532} = \begin{bmatrix} 1067 \\ 0160 \end{bmatrix} \\
919 &= \mathbf{PI}(6, 1, 2, 3, 0, 1) = L_{3654} = \begin{bmatrix} 1026 \\ 0140 \end{bmatrix} \\
920 &= \mathbf{PI}(3, 2, 2, 3, 0, 1) = L_{881} = \begin{bmatrix} 1041 \\ 0150 \end{bmatrix} \\
921 &= \mathbf{PI}(2, 3, 2, 3, 0, 1) = L_{4527} = \begin{bmatrix} 1067 \\ 0110 \end{bmatrix} \\
922 &= \mathbf{PI}(7, 4, 2, 3, 0, 1) = L_{1540} = \begin{bmatrix} 1052 \\ 0170 \end{bmatrix} \\
923 &= \mathbf{PI}(5, 5, 2, 3, 0, 1) = L_{2850} = \begin{bmatrix} 1074 \\ 0130 \end{bmatrix} \\
924 &= \mathbf{PI}(1, 6, 2, 3, 0, 1) = L_{1827} = \begin{bmatrix} 1013 \\ 0120 \end{bmatrix} \\
925 &= \mathbf{PI}(4, 7, 2, 3, 0, 1) = L_{3145} = \begin{bmatrix} 1035 \\ 0160 \end{bmatrix} \\
926 &= \mathbf{PI}(5, 1, 3, 3, 0, 1) = L_{2851} = \begin{bmatrix} 1074 \\ 0140 \end{bmatrix} \\
927 &= \mathbf{PI}(4, 2, 3, 3, 0, 1) = L_{3144} = \begin{bmatrix} 1035 \\ 0150 \end{bmatrix} \\
928 &= \mathbf{PI}(3, 3, 3, 3, 0, 1) = L_{877} = \begin{bmatrix} 1041 \\ 0110 \end{bmatrix} \\
929 &= \mathbf{PI}(2, 4, 3, 3, 0, 1) = L_{4533} = \begin{bmatrix} 1067 \\ 0170 \end{bmatrix} \\
930 &= \mathbf{PI}(1, 5, 3, 3, 0, 1) = L_{1828} = \begin{bmatrix} 1013 \\ 0130 \end{bmatrix} \\
931 &= \mathbf{PI}(7, 6, 3, 3, 0, 1) = L_{1535} = \begin{bmatrix} 1052 \\ 0120 \end{bmatrix} \\
932 &= \mathbf{PI}(6, 7, 3, 3, 0, 1) = L_{3656} = \begin{bmatrix} 1026 \\ 0160 \end{bmatrix} \\
933 &= \mathbf{PI}(1, 1, 4, 3, 0, 1) = L_{1829} = \begin{bmatrix} 1013 \\ 0140 \end{bmatrix} \\
934 &= \mathbf{PI}(6, 2, 4, 3, 0, 1) = L_{3655} = \begin{bmatrix} 1026 \\ 0150 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
935 &= \mathbf{PI}(4, 3, 4, 3, 0, 1) = L_{3140} = \begin{bmatrix} 1035 \\ 0110 \end{bmatrix} \\
936 &= \mathbf{PI}(3, 4, 4, 3, 0, 1) = L_{883} = \begin{bmatrix} 1041 \\ 0170 \end{bmatrix} \\
937 &= \mathbf{PI}(7, 5, 4, 3, 0, 1) = L_{1536} = \begin{bmatrix} 1052 \\ 0130 \end{bmatrix} \\
938 &= \mathbf{PI}(2, 6, 4, 3, 0, 1) = L_{4528} = \begin{bmatrix} 1067 \\ 0120 \end{bmatrix} \\
939 &= \mathbf{PI}(5, 7, 4, 3, 0, 1) = L_{2853} = \begin{bmatrix} 1074 \\ 0160 \end{bmatrix} \\
940 &= \mathbf{PI}(2, 1, 5, 3, 0, 1) = L_{4530} = \begin{bmatrix} 1067 \\ 0140 \end{bmatrix} \\
941 &= \mathbf{PI}(1, 2, 5, 3, 0, 1) = L_{1830} = \begin{bmatrix} 1013 \\ 0150 \end{bmatrix} \\
942 &= \mathbf{PI}(5, 3, 5, 3, 0, 1) = L_{2848} = \begin{bmatrix} 1074 \\ 0110 \end{bmatrix} \\
943 &= \mathbf{PI}(6, 4, 5, 3, 0, 1) = L_{3657} = \begin{bmatrix} 1026 \\ 0170 \end{bmatrix} \\
944 &= \mathbf{PI}(3, 5, 5, 3, 0, 1) = L_{879} = \begin{bmatrix} 1041 \\ 0130 \end{bmatrix} \\
945 &= \mathbf{PI}(4, 6, 5, 3, 0, 1) = L_{3141} = \begin{bmatrix} 1035 \\ 0120 \end{bmatrix} \\
946 &= \mathbf{PI}(7, 7, 5, 3, 0, 1) = L_{1539} = \begin{bmatrix} 1052 \\ 0160 \end{bmatrix} \\
947 &= \mathbf{PI}(7, 1, 6, 3, 0, 1) = L_{1537} = \begin{bmatrix} 1052 \\ 0140 \end{bmatrix} \\
948 &= \mathbf{PI}(5, 2, 6, 3, 0, 1) = L_{2852} = \begin{bmatrix} 1074 \\ 0150 \end{bmatrix} \\
949 &= \mathbf{PI}(6, 3, 6, 3, 0, 1) = L_{3651} = \begin{bmatrix} 1026 \\ 0110 \end{bmatrix} \\
950 &= \mathbf{PI}(4, 4, 6, 3, 0, 1) = L_{3146} = \begin{bmatrix} 1035 \\ 0170 \end{bmatrix} \\
951 &= \mathbf{PI}(2, 5, 6, 3, 0, 1) = L_{4529} = \begin{bmatrix} 1067 \\ 0130 \end{bmatrix} \\
952 &= \mathbf{PI}(3, 6, 6, 3, 0, 1) = L_{878} = \begin{bmatrix} 1041 \\ 0120 \end{bmatrix} \\
953 &= \mathbf{PI}(1, 7, 6, 3, 0, 1) = L_{1831} = \begin{bmatrix} 1013 \\ 0160 \end{bmatrix} \\
954 &= \mathbf{PI}(4, 1, 7, 3, 0, 1) = L_{3143} = \begin{bmatrix} 1035 \\ 0140 \end{bmatrix} \\
955 &= \mathbf{PI}(2, 2, 7, 3, 0, 1) = L_{4531} = \begin{bmatrix} 1067 \\ 0150 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
956 &= \mathbf{PI}(7, 3, 7, 3, 0, 1) = L_{1534} = \begin{bmatrix} 1052 \\ 0110 \end{bmatrix} \\
957 &= \mathbf{PI}(1, 4, 7, 3, 0, 1) = L_{1832} = \begin{bmatrix} 1013 \\ 0170 \end{bmatrix} \\
958 &= \mathbf{PI}(6, 5, 7, 3, 0, 1) = L_{3653} = \begin{bmatrix} 1026 \\ 0130 \end{bmatrix} \\
959 &= \mathbf{PI}(5, 6, 7, 3, 0, 1) = L_{2849} = \begin{bmatrix} 1074 \\ 0120 \end{bmatrix} \\
960 &= \mathbf{PI}(3, 7, 7, 3, 0, 1) = L_{882} = \begin{bmatrix} 1041 \\ 0160 \end{bmatrix} \\
961 &= \mathbf{PI}(0, 0, 0, 4, 0, 1) = L_{4676} = \begin{bmatrix} 0100 \\ 0014 \end{bmatrix} \\
962 &= \mathbf{PI}(1, 0, 0, 4, 0, 1) = L_{2409} = \begin{bmatrix} 1014 \\ 0100 \end{bmatrix} \\
963 &= \mathbf{PI}(2, 0, 0, 4, 0, 1) = L_{1606} = \begin{bmatrix} 1062 \\ 0100 \end{bmatrix} \\
964 &= \mathbf{PI}(3, 0, 0, 4, 0, 1) = L_{4380} = \begin{bmatrix} 1047 \\ 0100 \end{bmatrix} \\
965 &= \mathbf{PI}(4, 0, 0, 4, 0, 1) = L_{803} = \begin{bmatrix} 1031 \\ 0100 \end{bmatrix} \\
966 &= \mathbf{PI}(5, 0, 0, 4, 0, 1) = L_{4015} = \begin{bmatrix} 1076 \\ 0100 \end{bmatrix} \\
967 &= \mathbf{PI}(6, 0, 0, 4, 0, 1) = L_{3066} = \begin{bmatrix} 1025 \\ 0100 \end{bmatrix} \\
968 &= \mathbf{PI}(7, 0, 0, 4, 0, 1) = L_{2117} = \begin{bmatrix} 1053 \\ 0100 \end{bmatrix} \\
969 &= \mathbf{PI}(0, 1, 0, 4, 0, 1) = L_{4685} = \begin{bmatrix} 0101 \\ 0014 \end{bmatrix} \\
970 &= \mathbf{PI}(0, 2, 0, 4, 0, 1) = L_{4694} = \begin{bmatrix} 0102 \\ 0014 \end{bmatrix} \\
971 &= \mathbf{PI}(0, 3, 0, 4, 0, 1) = L_{4703} = \begin{bmatrix} 0103 \\ 0014 \end{bmatrix} \\
972 &= \mathbf{PI}(0, 4, 0, 4, 0, 1) = L_{4712} = \begin{bmatrix} 0104 \\ 0014 \end{bmatrix} \\
973 &= \mathbf{PI}(0, 5, 0, 4, 0, 1) = L_{4721} = \begin{bmatrix} 0105 \\ 0014 \end{bmatrix} \\
974 &= \mathbf{PI}(0, 6, 0, 4, 0, 1) = L_{4730} = \begin{bmatrix} 0106 \\ 0014 \end{bmatrix} \\
975 &= \mathbf{PI}(0, 7, 0, 4, 0, 1) = L_{4739} = \begin{bmatrix} 0107 \\ 0014 \end{bmatrix} \\
976 &= \mathbf{PI}(4, 1, 1, 4, 0, 1) = L_{806} = \begin{bmatrix} 1031 \\ 0130 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
977 &= \mathbf{PI}(2, 2, 1, 4, 0, 1) = L_{1612} = \begin{bmatrix} 1062 \\ 0160 \end{bmatrix} \\
978 &= \mathbf{PI}(7, 3, 1, 4, 0, 1) = L_{2122} = \begin{bmatrix} 1053 \\ 0150 \end{bmatrix} \\
979 &= \mathbf{PI}(1, 4, 1, 4, 0, 1) = L_{2410} = \begin{bmatrix} 1014 \\ 0110 \end{bmatrix} \\
980 &= \mathbf{PI}(6, 5, 1, 4, 0, 1) = L_{3068} = \begin{bmatrix} 1025 \\ 0120 \end{bmatrix} \\
981 &= \mathbf{PI}(5, 6, 1, 4, 0, 1) = L_{4022} = \begin{bmatrix} 1076 \\ 0170 \end{bmatrix} \\
982 &= \mathbf{PI}(3, 7, 1, 4, 0, 1) = L_{4384} = \begin{bmatrix} 1047 \\ 0140 \end{bmatrix} \\
983 &= \mathbf{PI}(5, 1, 2, 4, 0, 1) = L_{4018} = \begin{bmatrix} 1076 \\ 0130 \end{bmatrix} \\
984 &= \mathbf{PI}(4, 2, 2, 4, 0, 1) = L_{809} = \begin{bmatrix} 1031 \\ 0160 \end{bmatrix} \\
985 &= \mathbf{PI}(3, 3, 2, 4, 0, 1) = L_{4385} = \begin{bmatrix} 1047 \\ 0150 \end{bmatrix} \\
986 &= \mathbf{PI}(2, 4, 2, 4, 0, 1) = L_{1607} = \begin{bmatrix} 1062 \\ 0110 \end{bmatrix} \\
987 &= \mathbf{PI}(1, 5, 2, 4, 0, 1) = L_{2411} = \begin{bmatrix} 1014 \\ 0120 \end{bmatrix} \\
988 &= \mathbf{PI}(7, 6, 2, 4, 0, 1) = L_{2124} = \begin{bmatrix} 1053 \\ 0170 \end{bmatrix} \\
989 &= \mathbf{PI}(6, 7, 2, 4, 0, 1) = L_{3070} = \begin{bmatrix} 1025 \\ 0140 \end{bmatrix} \\
990 &= \mathbf{PI}(1, 1, 3, 4, 0, 1) = L_{2412} = \begin{bmatrix} 1014 \\ 0130 \end{bmatrix} \\
991 &= \mathbf{PI}(6, 2, 3, 4, 0, 1) = L_{3072} = \begin{bmatrix} 1025 \\ 0160 \end{bmatrix} \\
992 &= \mathbf{PI}(4, 3, 3, 4, 0, 1) = L_{808} = \begin{bmatrix} 1031 \\ 0150 \end{bmatrix} \\
993 &= \mathbf{PI}(3, 4, 3, 4, 0, 1) = L_{4381} = \begin{bmatrix} 1047 \\ 0110 \end{bmatrix} \\
994 &= \mathbf{PI}(7, 5, 3, 4, 0, 1) = L_{2119} = \begin{bmatrix} 1053 \\ 0120 \end{bmatrix} \\
995 &= \mathbf{PI}(2, 6, 3, 4, 0, 1) = L_{1613} = \begin{bmatrix} 1062 \\ 0170 \end{bmatrix} \\
996 &= \mathbf{PI}(5, 7, 3, 4, 0, 1) = L_{4019} = \begin{bmatrix} 1076 \\ 0140 \end{bmatrix} \\
997 &= \mathbf{PI}(7, 1, 4, 4, 0, 1) = L_{2120} = \begin{bmatrix} 1053 \\ 0130 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
998 &= \mathbf{PI}(5, 2, 4, 4, 0, 1) = L_{4021} = \begin{bmatrix} 1076 \\ 0160 \end{bmatrix} \\
999 &= \mathbf{PI}(6, 3, 4, 4, 0, 1) = L_{3071} = \begin{bmatrix} 1025 \\ 0150 \end{bmatrix} \\
1000 &= \mathbf{PI}(4, 4, 4, 4, 0, 1) = L_{804} = \begin{bmatrix} 1031 \\ 0110 \end{bmatrix} \\
1001 &= \mathbf{PI}(2, 5, 4, 4, 0, 1) = L_{1608} = \begin{bmatrix} 1062 \\ 0120 \end{bmatrix} \\
1002 &= \mathbf{PI}(3, 6, 4, 4, 0, 1) = L_{4387} = \begin{bmatrix} 1047 \\ 0170 \end{bmatrix} \\
1003 &= \mathbf{PI}(1, 7, 4, 4, 0, 1) = L_{2413} = \begin{bmatrix} 1014 \\ 0140 \end{bmatrix} \\
1004 &= \mathbf{PI}(3, 1, 5, 4, 0, 1) = L_{4383} = \begin{bmatrix} 1047 \\ 0130 \end{bmatrix} \\
1005 &= \mathbf{PI}(7, 2, 5, 4, 0, 1) = L_{2123} = \begin{bmatrix} 1053 \\ 0160 \end{bmatrix} \\
1006 &= \mathbf{PI}(1, 3, 5, 4, 0, 1) = L_{2414} = \begin{bmatrix} 1014 \\ 0150 \end{bmatrix} \\
1007 &= \mathbf{PI}(5, 4, 5, 4, 0, 1) = L_{4016} = \begin{bmatrix} 1076 \\ 0110 \end{bmatrix} \\
1008 &= \mathbf{PI}(4, 5, 5, 4, 0, 1) = L_{805} = \begin{bmatrix} 1031 \\ 0120 \end{bmatrix} \\
1009 &= \mathbf{PI}(6, 6, 5, 4, 0, 1) = L_{3073} = \begin{bmatrix} 1025 \\ 0170 \end{bmatrix} \\
1010 &= \mathbf{PI}(2, 7, 5, 4, 0, 1) = L_{1610} = \begin{bmatrix} 1062 \\ 0140 \end{bmatrix} \\
1011 &= \mathbf{PI}(2, 1, 6, 4, 0, 1) = L_{1609} = \begin{bmatrix} 1062 \\ 0130 \end{bmatrix} \\
1012 &= \mathbf{PI}(1, 2, 6, 4, 0, 1) = L_{2415} = \begin{bmatrix} 1014 \\ 0160 \end{bmatrix} \\
1013 &= \mathbf{PI}(5, 3, 6, 4, 0, 1) = L_{4020} = \begin{bmatrix} 1076 \\ 0150 \end{bmatrix} \\
1014 &= \mathbf{PI}(6, 4, 6, 4, 0, 1) = L_{3067} = \begin{bmatrix} 1025 \\ 0110 \end{bmatrix} \\
1015 &= \mathbf{PI}(3, 5, 6, 4, 0, 1) = L_{4382} = \begin{bmatrix} 1047 \\ 0120 \end{bmatrix} \\
1016 &= \mathbf{PI}(4, 6, 6, 4, 0, 1) = L_{810} = \begin{bmatrix} 1031 \\ 0170 \end{bmatrix} \\
1017 &= \mathbf{PI}(7, 7, 6, 4, 0, 1) = L_{2121} = \begin{bmatrix} 1053 \\ 0140 \end{bmatrix} \\
1018 &= \mathbf{PI}(6, 1, 7, 4, 0, 1) = L_{3069} = \begin{bmatrix} 1025 \\ 0130 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1019 &= \mathbf{PI}(3, 2, 7, 4, 0, 1) = L_{4386} = \begin{bmatrix} 1047 \\ 0160 \end{bmatrix} \\
1020 &= \mathbf{PI}(2, 3, 7, 4, 0, 1) = L_{1611} = \begin{bmatrix} 1062 \\ 0150 \end{bmatrix} \\
1021 &= \mathbf{PI}(7, 4, 7, 4, 0, 1) = L_{2118} = \begin{bmatrix} 1053 \\ 0110 \end{bmatrix} \\
1022 &= \mathbf{PI}(5, 5, 7, 4, 0, 1) = L_{4017} = \begin{bmatrix} 1076 \\ 0120 \end{bmatrix} \\
1023 &= \mathbf{PI}(1, 6, 7, 4, 0, 1) = L_{2416} = \begin{bmatrix} 1014 \\ 0170 \end{bmatrix} \\
1024 &= \mathbf{PI}(4, 7, 7, 4, 0, 1) = L_{807} = \begin{bmatrix} 1031 \\ 0140 \end{bmatrix} \\
1025 &= \mathbf{PI}(0, 0, 0, 5, 0, 1) = L_{4677} = \begin{bmatrix} 0100 \\ 0015 \end{bmatrix} \\
1026 &= \mathbf{PI}(1, 0, 0, 5, 0, 1) = L_{2993} = \begin{bmatrix} 1015 \\ 0100 \end{bmatrix} \\
1027 &= \mathbf{PI}(2, 0, 0, 5, 0, 1) = L_{2774} = \begin{bmatrix} 1064 \\ 0100 \end{bmatrix} \\
1028 &= \mathbf{PI}(3, 0, 0, 5, 0, 1) = L_{2044} = \begin{bmatrix} 1043 \\ 0100 \end{bmatrix} \\
1029 &= \mathbf{PI}(4, 0, 0, 5, 0, 1) = L_{1387} = \begin{bmatrix} 1032 \\ 0100 \end{bmatrix} \\
1030 &= \mathbf{PI}(5, 0, 0, 5, 0, 1) = L_{1095} = \begin{bmatrix} 1071 \\ 0100 \end{bmatrix} \\
1031 &= \mathbf{PI}(6, 0, 0, 5, 0, 1) = L_{4234} = \begin{bmatrix} 1027 \\ 0100 \end{bmatrix} \\
1032 &= \mathbf{PI}(7, 0, 0, 5, 0, 1) = L_{3869} = \begin{bmatrix} 1056 \\ 0100 \end{bmatrix} \\
1033 &= \mathbf{PI}(0, 1, 0, 5, 0, 1) = L_{4686} = \begin{bmatrix} 0101 \\ 0015 \end{bmatrix} \\
1034 &= \mathbf{PI}(0, 2, 0, 5, 0, 1) = L_{4695} = \begin{bmatrix} 0102 \\ 0015 \end{bmatrix} \\
1035 &= \mathbf{PI}(0, 3, 0, 5, 0, 1) = L_{4704} = \begin{bmatrix} 0103 \\ 0015 \end{bmatrix} \\
1036 &= \mathbf{PI}(0, 4, 0, 5, 0, 1) = L_{4713} = \begin{bmatrix} 0104 \\ 0015 \end{bmatrix} \\
1037 &= \mathbf{PI}(0, 5, 0, 5, 0, 1) = L_{4722} = \begin{bmatrix} 0105 \\ 0015 \end{bmatrix} \\
1038 &= \mathbf{PI}(0, 6, 0, 5, 0, 1) = L_{4731} = \begin{bmatrix} 0106 \\ 0015 \end{bmatrix} \\
1039 &= \mathbf{PI}(0, 7, 0, 5, 0, 1) = L_{4740} = \begin{bmatrix} 0107 \\ 0015 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
1040 &= \mathbf{PI}(5, 1, 1, 5, 0, 1) = L_{1102} = \begin{bmatrix} 1071 \\ 0170 \end{bmatrix} \\
1041 &= \mathbf{PI}(4, 2, 1, 5, 0, 1) = L_{1390} = \begin{bmatrix} 1032 \\ 0130 \end{bmatrix} \\
1042 &= \mathbf{PI}(3, 3, 1, 5, 0, 1) = L_{2048} = \begin{bmatrix} 1043 \\ 0140 \end{bmatrix} \\
1043 &= \mathbf{PI}(2, 4, 1, 5, 0, 1) = L_{2780} = \begin{bmatrix} 1064 \\ 0160 \end{bmatrix} \\
1044 &= \mathbf{PI}(1, 5, 1, 5, 0, 1) = L_{2994} = \begin{bmatrix} 1015 \\ 0110 \end{bmatrix} \\
1045 &= \mathbf{PI}(7, 6, 1, 5, 0, 1) = L_{3874} = \begin{bmatrix} 1056 \\ 0150 \end{bmatrix} \\
1046 &= \mathbf{PI}(6, 7, 1, 5, 0, 1) = L_{4236} = \begin{bmatrix} 1027 \\ 0120 \end{bmatrix} \\
1047 &= \mathbf{PI}(7, 1, 2, 5, 0, 1) = L_{3876} = \begin{bmatrix} 1056 \\ 0170 \end{bmatrix} \\
1048 &= \mathbf{PI}(5, 2, 2, 5, 0, 1) = L_{1098} = \begin{bmatrix} 1071 \\ 0130 \end{bmatrix} \\
1049 &= \mathbf{PI}(6, 3, 2, 5, 0, 1) = L_{4238} = \begin{bmatrix} 1027 \\ 0140 \end{bmatrix} \\
1050 &= \mathbf{PI}(4, 4, 2, 5, 0, 1) = L_{1393} = \begin{bmatrix} 1032 \\ 0160 \end{bmatrix} \\
1051 &= \mathbf{PI}(2, 5, 2, 5, 0, 1) = L_{2775} = \begin{bmatrix} 1064 \\ 0110 \end{bmatrix} \\
1052 &= \mathbf{PI}(3, 6, 2, 5, 0, 1) = L_{2049} = \begin{bmatrix} 1043 \\ 0150 \end{bmatrix} \\
1053 &= \mathbf{PI}(1, 7, 2, 5, 0, 1) = L_{2995} = \begin{bmatrix} 1015 \\ 0120 \end{bmatrix} \\
1054 &= \mathbf{PI}(2, 1, 3, 5, 0, 1) = L_{2781} = \begin{bmatrix} 1064 \\ 0170 \end{bmatrix} \\
1055 &= \mathbf{PI}(1, 2, 3, 5, 0, 1) = L_{2996} = \begin{bmatrix} 1015 \\ 0130 \end{bmatrix} \\
1056 &= \mathbf{PI}(5, 3, 3, 5, 0, 1) = L_{1099} = \begin{bmatrix} 1071 \\ 0140 \end{bmatrix} \\
1057 &= \mathbf{PI}(6, 4, 3, 5, 0, 1) = L_{4240} = \begin{bmatrix} 1027 \\ 0160 \end{bmatrix} \\
1058 &= \mathbf{PI}(3, 5, 3, 5, 0, 1) = L_{2045} = \begin{bmatrix} 1043 \\ 0110 \end{bmatrix} \\
1059 &= \mathbf{PI}(4, 6, 3, 5, 0, 1) = L_{1392} = \begin{bmatrix} 1032 \\ 0150 \end{bmatrix} \\
1060 &= \mathbf{PI}(7, 7, 3, 5, 0, 1) = L_{3871} = \begin{bmatrix} 1056 \\ 0120 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1061 &= \mathbf{PI}(3, 1, 4, 5, 0, 1) = L_{2051} = \begin{bmatrix} 1043 \\ 0170 \end{bmatrix} \\
1062 &= \mathbf{PI}(7, 2, 4, 5, 0, 1) = L_{3872} = \begin{bmatrix} 1056 \\ 0130 \end{bmatrix} \\
1063 &= \mathbf{PI}(1, 3, 4, 5, 0, 1) = L_{2997} = \begin{bmatrix} 1015 \\ 0140 \end{bmatrix} \\
1064 &= \mathbf{PI}(5, 4, 4, 5, 0, 1) = L_{1101} = \begin{bmatrix} 1071 \\ 0160 \end{bmatrix} \\
1065 &= \mathbf{PI}(4, 5, 4, 5, 0, 1) = L_{1388} = \begin{bmatrix} 1032 \\ 0110 \end{bmatrix} \\
1066 &= \mathbf{PI}(6, 6, 4, 5, 0, 1) = L_{4239} = \begin{bmatrix} 1027 \\ 0150 \end{bmatrix} \\
1067 &= \mathbf{PI}(2, 7, 4, 5, 0, 1) = L_{2776} = \begin{bmatrix} 1064 \\ 0120 \end{bmatrix} \\
1068 &= \mathbf{PI}(6, 1, 5, 5, 0, 1) = L_{4241} = \begin{bmatrix} 1027 \\ 0170 \end{bmatrix} \\
1069 &= \mathbf{PI}(3, 2, 5, 5, 0, 1) = L_{2047} = \begin{bmatrix} 1043 \\ 0130 \end{bmatrix} \\
1070 &= \mathbf{PI}(2, 3, 5, 5, 0, 1) = L_{2778} = \begin{bmatrix} 1064 \\ 0140 \end{bmatrix} \\
1071 &= \mathbf{PI}(7, 4, 5, 5, 0, 1) = L_{3875} = \begin{bmatrix} 1056 \\ 0160 \end{bmatrix} \\
1072 &= \mathbf{PI}(5, 5, 5, 5, 0, 1) = L_{1096} = \begin{bmatrix} 1071 \\ 0110 \end{bmatrix} \\
1073 &= \mathbf{PI}(1, 6, 5, 5, 0, 1) = L_{2998} = \begin{bmatrix} 1015 \\ 0150 \end{bmatrix} \\
1074 &= \mathbf{PI}(4, 7, 5, 5, 0, 1) = L_{1389} = \begin{bmatrix} 1032 \\ 0120 \end{bmatrix} \\
1075 &= \mathbf{PI}(4, 1, 6, 5, 0, 1) = L_{1394} = \begin{bmatrix} 1032 \\ 0170 \end{bmatrix} \\
1076 &= \mathbf{PI}(2, 2, 6, 5, 0, 1) = L_{2777} = \begin{bmatrix} 1064 \\ 0130 \end{bmatrix} \\
1077 &= \mathbf{PI}(7, 3, 6, 5, 0, 1) = L_{3873} = \begin{bmatrix} 1056 \\ 0140 \end{bmatrix} \\
1078 &= \mathbf{PI}(1, 4, 6, 5, 0, 1) = L_{2999} = \begin{bmatrix} 1015 \\ 0160 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1079 &= \mathbf{PI}(6, 5, 6, 5, 0, 1) = L_{4235} = \begin{bmatrix} 1027 \\ 0110 \end{bmatrix} \\
1080 &= \mathbf{PI}(5, 6, 6, 5, 0, 1) = L_{1100} = \begin{bmatrix} 1071 \\ 0150 \end{bmatrix} \\
1081 &= \mathbf{PI}(3, 7, 6, 5, 0, 1) = L_{2046} = \begin{bmatrix} 1043 \\ 0120 \end{bmatrix} \\
1082 &= \mathbf{PI}(1, 1, 7, 5, 0, 1) = L_{3000} = \begin{bmatrix} 1015 \\ 0170 \end{bmatrix} \\
1083 &= \mathbf{PI}(6, 2, 7, 5, 0, 1) = L_{4237} = \begin{bmatrix} 1027 \\ 0130 \end{bmatrix} \\
1084 &= \mathbf{PI}(4, 3, 7, 5, 0, 1) = L_{1391} = \begin{bmatrix} 1032 \\ 0140 \end{bmatrix} \\
1085 &= \mathbf{PI}(3, 4, 7, 5, 0, 1) = L_{2050} = \begin{bmatrix} 1043 \\ 0160 \end{bmatrix} \\
1086 &= \mathbf{PI}(7, 5, 7, 5, 0, 1) = L_{3870} = \begin{bmatrix} 1056 \\ 0110 \end{bmatrix} \\
1087 &= \mathbf{PI}(2, 6, 7, 5, 0, 1) = L_{2779} = \begin{bmatrix} 1064 \\ 0150 \end{bmatrix} \\
1088 &= \mathbf{PI}(5, 7, 7, 5, 0, 1) = L_{1097} = \begin{bmatrix} 1071 \\ 0120 \end{bmatrix} \\
1089 &= \mathbf{PI}(0, 0, 0, 6, 0, 1) = L_{4678} = \begin{bmatrix} 0100 \\ 0016 \end{bmatrix} \\
1090 &= \mathbf{PI}(1, 0, 0, 6, 0, 1) = L_{3577} = \begin{bmatrix} 1016 \\ 0100 \end{bmatrix} \\
1091 &= \mathbf{PI}(2, 0, 0, 6, 0, 1) = L_{2190} = \begin{bmatrix} 1063 \\ 0100 \end{bmatrix} \\
1092 &= \mathbf{PI}(3, 0, 0, 6, 0, 1) = L_{1460} = \begin{bmatrix} 1042 \\ 0100 \end{bmatrix} \\
1093 &= \mathbf{PI}(4, 0, 0, 6, 0, 1) = L_{4307} = \begin{bmatrix} 1037 \\ 0100 \end{bmatrix} \\
1094 &= \mathbf{PI}(5, 0, 0, 6, 0, 1) = L_{3431} = \begin{bmatrix} 1075 \\ 0100 \end{bmatrix} \\
1095 &= \mathbf{PI}(6, 0, 0, 6, 0, 1) = L_{730} = \begin{bmatrix} 1021 \\ 0100 \end{bmatrix} \\
1096 &= \mathbf{PI}(7, 0, 0, 6, 0, 1) = L_{2701} = \begin{bmatrix} 1054 \\ 0100 \end{bmatrix} \\
1097 &= \mathbf{PI}(0, 1, 0, 6, 0, 1) = L_{4687} = \begin{bmatrix} 0101 \\ 0016 \end{bmatrix} \\
1098 &= \mathbf{PI}(0, 2, 0, 6, 0, 1) = L_{4696} = \begin{bmatrix} 0102 \\ 0016 \end{bmatrix} \\
1099 &= \mathbf{PI}(0, 3, 0, 6, 0, 1) = L_{4705} = \begin{bmatrix} 0103 \\ 0016 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1100 &= \mathbf{PI}(0, 4, 0, 6, 0, 1) = L_{4714} = \begin{bmatrix} 0104 \\ 0016 \end{bmatrix} \\
1101 &= \mathbf{PI}(0, 5, 0, 6, 0, 1) = L_{4723} = \begin{bmatrix} 0105 \\ 0016 \end{bmatrix} \\
1102 &= \mathbf{PI}(0, 6, 0, 6, 0, 1) = L_{4732} = \begin{bmatrix} 0106 \\ 0016 \end{bmatrix} \\
1103 &= \mathbf{PI}(0, 7, 0, 6, 0, 1) = L_{4741} = \begin{bmatrix} 0107 \\ 0016 \end{bmatrix} \\
1104 &= \mathbf{PI}(6, 1, 1, 6, 0, 1) = L_{732} = \begin{bmatrix} 1021 \\ 0120 \end{bmatrix} \\
1105 &= \mathbf{PI}(3, 2, 1, 6, 0, 1) = L_{1464} = \begin{bmatrix} 1042 \\ 0140 \end{bmatrix} \\
1106 &= \mathbf{PI}(2, 3, 1, 6, 0, 1) = L_{2196} = \begin{bmatrix} 1063 \\ 0160 \end{bmatrix} \\
1107 &= \mathbf{PI}(7, 4, 1, 6, 0, 1) = L_{2706} = \begin{bmatrix} 1054 \\ 0150 \end{bmatrix} \\
1108 &= \mathbf{PI}(5, 5, 1, 6, 0, 1) = L_{3438} = \begin{bmatrix} 1075 \\ 0170 \end{bmatrix} \\
1109 &= \mathbf{PI}(1, 6, 1, 6, 0, 1) = L_{3578} = \begin{bmatrix} 1016 \\ 0110 \end{bmatrix} \\
1110 &= \mathbf{PI}(4, 7, 1, 6, 0, 1) = L_{4310} = \begin{bmatrix} 1037 \\ 0130 \end{bmatrix} \\
1111 &= \mathbf{PI}(1, 1, 2, 6, 0, 1) = L_{3579} = \begin{bmatrix} 1016 \\ 0120 \end{bmatrix} \\
1112 &= \mathbf{PI}(6, 2, 2, 6, 0, 1) = L_{734} = \begin{bmatrix} 1021 \\ 0140 \end{bmatrix} \\
1113 &= \mathbf{PI}(4, 3, 2, 6, 0, 1) = L_{4313} = \begin{bmatrix} 1037 \\ 0160 \end{bmatrix} \\
1114 &= \mathbf{PI}(3, 4, 2, 6, 0, 1) = L_{1465} = \begin{bmatrix} 1042 \\ 0150 \end{bmatrix} \\
1115 &= \mathbf{PI}(7, 5, 2, 6, 0, 1) = L_{2708} = \begin{bmatrix} 1054 \\ 0170 \end{bmatrix} \\
1116 &= \mathbf{PI}(2, 6, 2, 6, 0, 1) = L_{2191} = \begin{bmatrix} 1063 \\ 0110 \end{bmatrix} \\
1117 &= \mathbf{PI}(5, 7, 2, 6, 0, 1) = L_{3434} = \begin{bmatrix} 1075 \\ 0130 \end{bmatrix} \\
1118 &= \mathbf{PI}(7, 1, 3, 6, 0, 1) = L_{2703} = \begin{bmatrix} 1054 \\ 0120 \end{bmatrix} \\
1119 &= \mathbf{PI}(5, 2, 3, 6, 0, 1) = L_{3435} = \begin{bmatrix} 1075 \\ 0140 \end{bmatrix} \\
1120 &= \mathbf{PI}(6, 3, 3, 6, 0, 1) = L_{736} = \begin{bmatrix} 1021 \\ 0160 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1121 &= \mathbf{PI}(4, 4, 3, 6, 0, 1) = L_{4312} = \begin{bmatrix} 1037 \\ 0150 \end{bmatrix} \\
1122 &= \mathbf{PI}(2, 5, 3, 6, 0, 1) = L_{2197} = \begin{bmatrix} 1063 \\ 0170 \end{bmatrix} \\
1123 &= \mathbf{PI}(3, 6, 3, 6, 0, 1) = L_{1461} = \begin{bmatrix} 1042 \\ 0110 \end{bmatrix} \\
1124 &= \mathbf{PI}(1, 7, 3, 6, 0, 1) = L_{3580} = \begin{bmatrix} 1016 \\ 0130 \end{bmatrix} \\
1125 &= \mathbf{PI}(2, 1, 4, 6, 0, 1) = L_{2192} = \begin{bmatrix} 1063 \\ 0120 \end{bmatrix} \\
1126 &= \mathbf{PI}(1, 2, 4, 6, 0, 1) = L_{3581} = \begin{bmatrix} 1016 \\ 0140 \end{bmatrix} \\
1127 &= \mathbf{PI}(5, 3, 4, 6, 0, 1) = L_{3437} = \begin{bmatrix} 1075 \\ 0160 \end{bmatrix} \\
1128 &= \mathbf{PI}(6, 4, 4, 6, 0, 1) = L_{735} = \begin{bmatrix} 1021 \\ 0150 \end{bmatrix} \\
1129 &= \mathbf{PI}(3, 5, 4, 6, 0, 1) = L_{1467} = \begin{bmatrix} 1042 \\ 0170 \end{bmatrix} \\
1130 &= \mathbf{PI}(4, 6, 4, 6, 0, 1) = L_{4308} = \begin{bmatrix} 1037 \\ 0110 \end{bmatrix} \\
1131 &= \mathbf{PI}(7, 7, 4, 6, 0, 1) = L_{2704} = \begin{bmatrix} 1054 \\ 0130 \end{bmatrix} \\
1132 &= \mathbf{PI}(4, 1, 5, 6, 0, 1) = L_{4309} = \begin{bmatrix} 1037 \\ 0120 \end{bmatrix} \\
1133 &= \mathbf{PI}(2, 2, 5, 6, 0, 1) = L_{2194} = \begin{bmatrix} 1063 \\ 0140 \end{bmatrix} \\
1134 &= \mathbf{PI}(7, 3, 5, 6, 0, 1) = L_{2707} = \begin{bmatrix} 1054 \\ 0160 \end{bmatrix} \\
1135 &= \mathbf{PI}(1, 4, 5, 6, 0, 1) = L_{3582} = \begin{bmatrix} 1016 \\ 0150 \end{bmatrix} \\
1136 &= \mathbf{PI}(6, 5, 5, 6, 0, 1) = L_{737} = \begin{bmatrix} 1021 \\ 0170 \end{bmatrix} \\
1137 &= \mathbf{PI}(5, 6, 5, 6, 0, 1) = L_{3432} = \begin{bmatrix} 1075 \\ 0110 \end{bmatrix} \\
1138 &= \mathbf{PI}(3, 7, 5, 6, 0, 1) = L_{1463} = \begin{bmatrix} 1042 \\ 0130 \end{bmatrix} \\
1139 &= \mathbf{PI}(3, 1, 6, 6, 0, 1) = L_{1462} = \begin{bmatrix} 1042 \\ 0120 \end{bmatrix} \\
1140 &= \mathbf{PI}(7, 2, 6, 6, 0, 1) = L_{2705} = \begin{bmatrix} 1054 \\ 0140 \end{bmatrix} \\
1141 &= \mathbf{PI}(1, 3, 6, 6, 0, 1) = L_{3583} = \begin{bmatrix} 1016 \\ 0160 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1142 &= \mathbf{PI}(5, 4, 6, 6, 0, 1) = L_{3436} = \begin{bmatrix} 1075 \\ 0150 \end{bmatrix} \\
1143 &= \mathbf{PI}(4, 5, 6, 6, 0, 1) = L_{4314} = \begin{bmatrix} 1037 \\ 0170 \end{bmatrix} \\
1144 &= \mathbf{PI}(6, 6, 6, 6, 0, 1) = L_{731} = \begin{bmatrix} 1021 \\ 0110 \end{bmatrix} \\
1145 &= \mathbf{PI}(2, 7, 6, 6, 0, 1) = L_{2193} = \begin{bmatrix} 1063 \\ 0130 \end{bmatrix} \\
1146 &= \mathbf{PI}(5, 1, 7, 6, 0, 1) = L_{3433} = \begin{bmatrix} 1075 \\ 0120 \end{bmatrix} \\
1147 &= \mathbf{PI}(4, 2, 7, 6, 0, 1) = L_{4311} = \begin{bmatrix} 1037 \\ 0140 \end{bmatrix} \\
1148 &= \mathbf{PI}(3, 3, 7, 6, 0, 1) = L_{1466} = \begin{bmatrix} 1042 \\ 0160 \end{bmatrix} \\
1149 &= \mathbf{PI}(2, 4, 7, 6, 0, 1) = L_{2195} = \begin{bmatrix} 1063 \\ 0150 \end{bmatrix} \\
1150 &= \mathbf{PI}(1, 5, 7, 6, 0, 1) = L_{3584} = \begin{bmatrix} 1016 \\ 0170 \end{bmatrix} \\
1151 &= \mathbf{PI}(7, 6, 7, 6, 0, 1) = L_{2702} = \begin{bmatrix} 1054 \\ 0110 \end{bmatrix} \\
1152 &= \mathbf{PI}(6, 7, 7, 6, 0, 1) = L_{733} = \begin{bmatrix} 1021 \\ 0130 \end{bmatrix} \\
1153 &= \mathbf{PI}(0, 0, 0, 7, 0, 1) = L_{4679} = \begin{bmatrix} 0100 \\ 0017 \end{bmatrix} \\
1154 &= \mathbf{PI}(1, 0, 0, 7, 0, 1) = L_{4161} = \begin{bmatrix} 1017 \\ 0100 \end{bmatrix} \\
1155 &= \mathbf{PI}(2, 0, 0, 7, 0, 1) = L_{3358} = \begin{bmatrix} 1065 \\ 0100 \end{bmatrix} \\
1156 &= \mathbf{PI}(3, 0, 0, 7, 0, 1) = L_{3796} = \begin{bmatrix} 1046 \\ 0100 \end{bmatrix} \\
1157 &= \mathbf{PI}(4, 0, 0, 7, 0, 1) = L_{2555} = \begin{bmatrix} 1034 \\ 0100 \end{bmatrix} \\
1158 &= \mathbf{PI}(5, 0, 0, 7, 0, 1) = L_{1679} = \begin{bmatrix} 1072 \\ 0100 \end{bmatrix} \\
1159 &= \mathbf{PI}(6, 0, 0, 7, 0, 1) = L_{1898} = \begin{bmatrix} 1023 \\ 0100 \end{bmatrix} \\
1160 &= \mathbf{PI}(7, 0, 0, 7, 0, 1) = L_{949} = \begin{bmatrix} 1051 \\ 0100 \end{bmatrix} \\
1161 &= \mathbf{PI}(0, 1, 0, 7, 0, 1) = L_{4688} = \begin{bmatrix} 0101 \\ 0017 \end{bmatrix} \\
1162 &= \mathbf{PI}(0, 2, 0, 7, 0, 1) = L_{4697} = \begin{bmatrix} 0102 \\ 0017 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1163 &= \mathbf{PI}(0, 3, 0, 7, 0, 1) = L_{4706} = \begin{bmatrix} 0103 \\ 0017 \end{bmatrix} \\
1164 &= \mathbf{PI}(0, 4, 0, 7, 0, 1) = L_{4715} = \begin{bmatrix} 0104 \\ 0017 \end{bmatrix} \\
1165 &= \mathbf{PI}(0, 5, 0, 7, 0, 1) = L_{4724} = \begin{bmatrix} 0105 \\ 0017 \end{bmatrix} \\
1166 &= \mathbf{PI}(0, 6, 0, 7, 0, 1) = L_{4733} = \begin{bmatrix} 0106 \\ 0017 \end{bmatrix} \\
1167 &= \mathbf{PI}(0, 7, 0, 7, 0, 1) = L_{4742} = \begin{bmatrix} 0107 \\ 0017 \end{bmatrix} \\
1168 &= \mathbf{PI}(7, 1, 1, 7, 0, 1) = L_{954} = \begin{bmatrix} 1051 \\ 0150 \end{bmatrix} \\
1169 &= \mathbf{PI}(5, 2, 1, 7, 0, 1) = L_{1686} = \begin{bmatrix} 1072 \\ 0170 \end{bmatrix} \\
1170 &= \mathbf{PI}(6, 3, 1, 7, 0, 1) = L_{1900} = \begin{bmatrix} 1023 \\ 0120 \end{bmatrix} \\
1171 &= \mathbf{PI}(4, 4, 1, 7, 0, 1) = L_{2558} = \begin{bmatrix} 1034 \\ 0130 \end{bmatrix} \\
1172 &= \mathbf{PI}(2, 5, 1, 7, 0, 1) = L_{3364} = \begin{bmatrix} 1065 \\ 0160 \end{bmatrix} \\
1173 &= \mathbf{PI}(3, 6, 1, 7, 0, 1) = L_{3800} = \begin{bmatrix} 1046 \\ 0140 \end{bmatrix} \\
1174 &= \mathbf{PI}(1, 7, 1, 7, 0, 1) = L_{4162} = \begin{bmatrix} 1017 \\ 0110 \end{bmatrix} \\
1175 &= \mathbf{PI}(3, 1, 2, 7, 0, 1) = L_{3801} = \begin{bmatrix} 1046 \\ 0150 \end{bmatrix} \\
1176 &= \mathbf{PI}(7, 2, 2, 7, 0, 1) = L_{956} = \begin{bmatrix} 1051 \\ 0170 \end{bmatrix} \\
1177 &= \mathbf{PI}(1, 3, 2, 7, 0, 1) = L_{4163} = \begin{bmatrix} 1017 \\ 0120 \end{bmatrix} \\
1178 &= \mathbf{PI}(5, 4, 2, 7, 0, 1) = L_{1682} = \begin{bmatrix} 1072 \\ 0130 \end{bmatrix} \\
1179 &= \mathbf{PI}(4, 5, 2, 7, 0, 1) = L_{2561} = \begin{bmatrix} 1034 \\ 0160 \end{bmatrix} \\
1180 &= \mathbf{PI}(6, 6, 2, 7, 0, 1) = L_{1902} = \begin{bmatrix} 1023 \\ 0140 \end{bmatrix} \\
1181 &= \mathbf{PI}(2, 7, 2, 7, 0, 1) = L_{3359} = \begin{bmatrix} 1065 \\ 0110 \end{bmatrix} \\
1182 &= \mathbf{PI}(4, 1, 3, 7, 0, 1) = L_{2560} = \begin{bmatrix} 1034 \\ 0150 \end{bmatrix} \\
1183 &= \mathbf{PI}(2, 2, 3, 7, 0, 1) = L_{3365} = \begin{bmatrix} 1065 \\ 0170 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1184 &= \mathbf{PI}(7, 3, 3, 7, 0, 1) = L_{951} = \begin{bmatrix} 1051 \\ 0120 \end{bmatrix} \\
1185 &= \mathbf{PI}(1, 4, 3, 7, 0, 1) = L_{4164} = \begin{bmatrix} 1017 \\ 0130 \end{bmatrix} \\
1186 &= \mathbf{PI}(6, 5, 3, 7, 0, 1) = L_{1904} = \begin{bmatrix} 1023 \\ 0160 \end{bmatrix} \\
1187 &= \mathbf{PI}(5, 6, 3, 7, 0, 1) = L_{1683} = \begin{bmatrix} 1072 \\ 0140 \end{bmatrix} \\
1188 &= \mathbf{PI}(3, 7, 3, 7, 0, 1) = L_{3797} = \begin{bmatrix} 1046 \\ 0110 \end{bmatrix} \\
1189 &= \mathbf{PI}(6, 1, 4, 7, 0, 1) = L_{1903} = \begin{bmatrix} 1023 \\ 0150 \end{bmatrix} \\
1190 &= \mathbf{PI}(3, 2, 4, 7, 0, 1) = L_{3803} = \begin{bmatrix} 1046 \\ 0170 \end{bmatrix} \\
1191 &= \mathbf{PI}(2, 3, 4, 7, 0, 1) = L_{3360} = \begin{bmatrix} 1065 \\ 0120 \end{bmatrix} \\
1192 &= \mathbf{PI}(7, 4, 4, 7, 0, 1) = L_{952} = \begin{bmatrix} 1051 \\ 0130 \end{bmatrix} \\
1193 &= \mathbf{PI}(5, 5, 4, 7, 0, 1) = L_{1685} = \begin{bmatrix} 1072 \\ 0160 \end{bmatrix} \\
1194 &= \mathbf{PI}(1, 6, 4, 7, 0, 1) = L_{4165} = \begin{bmatrix} 1017 \\ 0140 \end{bmatrix} \\
1195 &= \mathbf{PI}(4, 7, 4, 7, 0, 1) = L_{2556} = \begin{bmatrix} 1034 \\ 0110 \end{bmatrix} \\
1196 &= \mathbf{PI}(1, 1, 5, 7, 0, 1) = L_{4166} = \begin{bmatrix} 1017 \\ 0150 \end{bmatrix} \\
1197 &= \mathbf{PI}(6, 2, 5, 7, 0, 1) = L_{1905} = \begin{bmatrix} 1023 \\ 0170 \end{bmatrix} \\
1198 &= \mathbf{PI}(4, 3, 5, 7, 0, 1) = L_{2557} = \begin{bmatrix} 1034 \\ 0120 \end{bmatrix} \\
1199 &= \mathbf{PI}(3, 4, 5, 7, 0, 1) = L_{3799} = \begin{bmatrix} 1046 \\ 0130 \end{bmatrix} \\
1200 &= \mathbf{PI}(7, 5, 5, 7, 0, 1) = L_{955} = \begin{bmatrix} 1051 \\ 0160 \end{bmatrix} \\
1201 &= \mathbf{PI}(2, 6, 5, 7, 0, 1) = L_{3362} = \begin{bmatrix} 1065 \\ 0140 \end{bmatrix} \\
1202 &= \mathbf{PI}(5, 7, 5, 7, 0, 1) = L_{1680} = \begin{bmatrix} 1072 \\ 0110 \end{bmatrix} \\
1203 &= \mathbf{PI}(5, 1, 6, 7, 0, 1) = L_{1684} = \begin{bmatrix} 1072 \\ 0150 \end{bmatrix} \\
1204 &= \mathbf{PI}(4, 2, 6, 7, 0, 1) = L_{2562} = \begin{bmatrix} 1034 \\ 0170 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
1205 &= \mathbf{PI}(3, 3, 6, 7, 0, 1) = L_{3798} = \begin{bmatrix} 1046 \\ 0120 \end{bmatrix} \\
1206 &= \mathbf{PI}(2, 4, 6, 7, 0, 1) = L_{3361} = \begin{bmatrix} 1065 \\ 0130 \end{bmatrix} \\
1207 &= \mathbf{PI}(1, 5, 6, 7, 0, 1) = L_{4167} = \begin{bmatrix} 1017 \\ 0160 \end{bmatrix} \\
1208 &= \mathbf{PI}(7, 6, 6, 7, 0, 1) = L_{953} = \begin{bmatrix} 1051 \\ 0140 \end{bmatrix} \\
1209 &= \mathbf{PI}(6, 7, 6, 7, 0, 1) = L_{1899} = \begin{bmatrix} 1023 \\ 0110 \end{bmatrix} \\
1210 &= \mathbf{PI}(2, 1, 7, 7, 0, 1) = L_{3363} = \begin{bmatrix} 1065 \\ 0150 \end{bmatrix} \\
1211 &= \mathbf{PI}(1, 2, 7, 7, 0, 1) = L_{4168} = \begin{bmatrix} 1017 \\ 0170 \end{bmatrix} \\
1212 &= \mathbf{PI}(5, 3, 7, 7, 0, 1) = L_{1681} = \begin{bmatrix} 1072 \\ 0120 \end{bmatrix} \\
1213 &= \mathbf{PI}(6, 4, 7, 7, 0, 1) = L_{1901} = \begin{bmatrix} 1023 \\ 0130 \end{bmatrix} \\
1214 &= \mathbf{PI}(3, 5, 7, 7, 0, 1) = L_{3802} = \begin{bmatrix} 1046 \\ 0160 \end{bmatrix} \\
1215 &= \mathbf{PI}(4, 6, 7, 7, 0, 1) = L_{2559} = \begin{bmatrix} 1034 \\ 0140 \end{bmatrix} \\
1216 &= \mathbf{PI}(7, 7, 7, 7, 0, 1) = L_{950} = \begin{bmatrix} 1051 \\ 0110 \end{bmatrix} \\
1217 &= \mathbf{PI}(1, 1, 0, 0, 1, 1) = L_{81} = \begin{bmatrix} 1010 \\ 0101 \end{bmatrix} \\
1218 &= \mathbf{PI}(6, 2, 0, 0, 1, 1) = L_{162} = \begin{bmatrix} 1020 \\ 0102 \end{bmatrix} \\
1219 &= \mathbf{PI}(4, 3, 0, 0, 1, 1) = L_{243} = \begin{bmatrix} 1030 \\ 0103 \end{bmatrix} \\
1220 &= \mathbf{PI}(3, 4, 0, 0, 1, 1) = L_{324} = \begin{bmatrix} 1040 \\ 0104 \end{bmatrix} \\
1221 &= \mathbf{PI}(7, 5, 0, 0, 1, 1) = L_{405} = \begin{bmatrix} 1050 \\ 0105 \end{bmatrix} \\
1222 &= \mathbf{PI}(2, 6, 0, 0, 1, 1) = L_{486} = \begin{bmatrix} 1060 \\ 0106 \end{bmatrix} \\
1223 &= \mathbf{PI}(5, 7, 0, 0, 1, 1) = L_{567} = \begin{bmatrix} 1070 \\ 0107 \end{bmatrix} \\
1224 &= \mathbf{PI}(1, 1, 1, 0, 1, 1) = L_{82} = \begin{bmatrix} 1010 \\ 0111 \end{bmatrix} \\
1225 &= \mathbf{PI}(6, 2, 1, 0, 1, 1) = L_{164} = \begin{bmatrix} 1020 \\ 0122 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1226 &= \mathbf{PI}(4, 3, 1, 0, 1, 1) = L_{246} = \begin{bmatrix} 1030 \\ 0133 \end{bmatrix} \\
1227 &= \mathbf{PI}(3, 4, 1, 0, 1, 1) = L_{328} = \begin{bmatrix} 1040 \\ 0144 \end{bmatrix} \\
1228 &= \mathbf{PI}(7, 5, 1, 0, 1, 1) = L_{410} = \begin{bmatrix} 1050 \\ 0155 \end{bmatrix} \\
1229 &= \mathbf{PI}(2, 6, 1, 0, 1, 1) = L_{492} = \begin{bmatrix} 1060 \\ 0166 \end{bmatrix} \\
1230 &= \mathbf{PI}(5, 7, 1, 0, 1, 1) = L_{574} = \begin{bmatrix} 1070 \\ 0177 \end{bmatrix} \\
1231 &= \mathbf{PI}(1, 1, 2, 0, 1, 1) = L_{83} = \begin{bmatrix} 1010 \\ 0121 \end{bmatrix} \\
1232 &= \mathbf{PI}(6, 2, 2, 0, 1, 1) = L_{166} = \begin{bmatrix} 1020 \\ 0142 \end{bmatrix} \\
1233 &= \mathbf{PI}(4, 3, 2, 0, 1, 1) = L_{249} = \begin{bmatrix} 1030 \\ 0163 \end{bmatrix} \\
1234 &= \mathbf{PI}(3, 4, 2, 0, 1, 1) = L_{329} = \begin{bmatrix} 1040 \\ 0154 \end{bmatrix} \\
1235 &= \mathbf{PI}(7, 5, 2, 0, 1, 1) = L_{412} = \begin{bmatrix} 1050 \\ 0175 \end{bmatrix} \\
1236 &= \mathbf{PI}(2, 6, 2, 0, 1, 1) = L_{487} = \begin{bmatrix} 1060 \\ 0116 \end{bmatrix} \\
1237 &= \mathbf{PI}(5, 7, 2, 0, 1, 1) = L_{570} = \begin{bmatrix} 1070 \\ 0137 \end{bmatrix} \\
1238 &= \mathbf{PI}(1, 1, 3, 0, 1, 1) = L_{84} = \begin{bmatrix} 1010 \\ 0131 \end{bmatrix} \\
1239 &= \mathbf{PI}(6, 2, 3, 0, 1, 1) = L_{168} = \begin{bmatrix} 1020 \\ 0162 \end{bmatrix} \\
1240 &= \mathbf{PI}(4, 3, 3, 0, 1, 1) = L_{248} = \begin{bmatrix} 1030 \\ 0153 \end{bmatrix} \\
1241 &= \mathbf{PI}(3, 4, 3, 0, 1, 1) = L_{325} = \begin{bmatrix} 1040 \\ 0114 \end{bmatrix} \\
1242 &= \mathbf{PI}(7, 5, 3, 0, 1, 1) = L_{407} = \begin{bmatrix} 1050 \\ 0125 \end{bmatrix} \\
1243 &= \mathbf{PI}(2, 6, 3, 0, 1, 1) = L_{493} = \begin{bmatrix} 1060 \\ 0176 \end{bmatrix} \\
1244 &= \mathbf{PI}(5, 7, 3, 0, 1, 1) = L_{571} = \begin{bmatrix} 1070 \\ 0147 \end{bmatrix} \\
1245 &= \mathbf{PI}(1, 1, 4, 0, 1, 1) = L_{85} = \begin{bmatrix} 1010 \\ 0141 \end{bmatrix} \\
1246 &= \mathbf{PI}(6, 2, 4, 0, 1, 1) = L_{167} = \begin{bmatrix} 1020 \\ 0152 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1247 &= \mathbf{PI}(4, 3, 4, 0, 1, 1) = L_{244} = \begin{bmatrix} 1030 \\ 0113 \end{bmatrix} \\
1248 &= \mathbf{PI}(3, 4, 4, 0, 1, 1) = L_{331} = \begin{bmatrix} 1040 \\ 0174 \end{bmatrix} \\
1249 &= \mathbf{PI}(7, 5, 4, 0, 1, 1) = L_{408} = \begin{bmatrix} 1050 \\ 0135 \end{bmatrix} \\
1250 &= \mathbf{PI}(2, 6, 4, 0, 1, 1) = L_{488} = \begin{bmatrix} 1060 \\ 0126 \end{bmatrix} \\
1251 &= \mathbf{PI}(5, 7, 4, 0, 1, 1) = L_{573} = \begin{bmatrix} 1070 \\ 0167 \end{bmatrix} \\
1252 &= \mathbf{PI}(1, 1, 5, 0, 1, 1) = L_{86} = \begin{bmatrix} 1010 \\ 0151 \end{bmatrix} \\
1253 &= \mathbf{PI}(6, 2, 5, 0, 1, 1) = L_{169} = \begin{bmatrix} 1020 \\ 0172 \end{bmatrix} \\
1254 &= \mathbf{PI}(4, 3, 5, 0, 1, 1) = L_{245} = \begin{bmatrix} 1030 \\ 0123 \end{bmatrix} \\
1255 &= \mathbf{PI}(3, 4, 5, 0, 1, 1) = L_{327} = \begin{bmatrix} 1040 \\ 0134 \end{bmatrix} \\
1256 &= \mathbf{PI}(7, 5, 5, 0, 1, 1) = L_{411} = \begin{bmatrix} 1050 \\ 0165 \end{bmatrix} \\
1257 &= \mathbf{PI}(2, 6, 5, 0, 1, 1) = L_{490} = \begin{bmatrix} 1060 \\ 0146 \end{bmatrix} \\
1258 &= \mathbf{PI}(5, 7, 5, 0, 1, 1) = L_{568} = \begin{bmatrix} 1070 \\ 0117 \end{bmatrix} \\
1259 &= \mathbf{PI}(1, 1, 6, 0, 1, 1) = L_{87} = \begin{bmatrix} 1010 \\ 0161 \end{bmatrix} \\
1260 &= \mathbf{PI}(6, 2, 6, 0, 1, 1) = L_{163} = \begin{bmatrix} 1020 \\ 0112 \end{bmatrix} \\
1261 &= \mathbf{PI}(4, 3, 6, 0, 1, 1) = L_{250} = \begin{bmatrix} 1030 \\ 0173 \end{bmatrix} \\
1262 &= \mathbf{PI}(3, 4, 6, 0, 1, 1) = L_{326} = \begin{bmatrix} 1040 \\ 0124 \end{bmatrix} \\
1263 &= \mathbf{PI}(7, 5, 6, 0, 1, 1) = L_{409} = \begin{bmatrix} 1050 \\ 0145 \end{bmatrix} \\
1264 &= \mathbf{PI}(2, 6, 6, 0, 1, 1) = L_{489} = \begin{bmatrix} 1060 \\ 0136 \end{bmatrix} \\
1265 &= \mathbf{PI}(5, 7, 6, 0, 1, 1) = L_{572} = \begin{bmatrix} 1070 \\ 0157 \end{bmatrix} \\
1266 &= \mathbf{PI}(1, 1, 7, 0, 1, 1) = L_{88} = \begin{bmatrix} 1010 \\ 0171 \end{bmatrix} \\
1267 &= \mathbf{PI}(6, 2, 7, 0, 1, 1) = L_{165} = \begin{bmatrix} 1020 \\ 0132 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1268 &= \mathbf{PI}(4, 3, 7, 0, 1, 1) = L_{247} = \begin{bmatrix} 1030 \\ 0143 \end{bmatrix} \\
1269 &= \mathbf{PI}(3, 4, 7, 0, 1, 1) = L_{330} = \begin{bmatrix} 1040 \\ 0164 \end{bmatrix} \\
1270 &= \mathbf{PI}(7, 5, 7, 0, 1, 1) = L_{406} = \begin{bmatrix} 1050 \\ 0115 \end{bmatrix} \\
1271 &= \mathbf{PI}(2, 6, 7, 0, 1, 1) = L_{491} = \begin{bmatrix} 1060 \\ 0156 \end{bmatrix} \\
1272 &= \mathbf{PI}(5, 7, 7, 0, 1, 1) = L_{569} = \begin{bmatrix} 1070 \\ 0127 \end{bmatrix} \\
1273 &= \mathbf{PI}(1, 1, 0, 1, 1, 1) = L_{665} = \begin{bmatrix} 1011 \\ 0101 \end{bmatrix} \\
1274 &= \mathbf{PI}(6, 2, 0, 1, 1, 1) = L_{1330} = \begin{bmatrix} 1022 \\ 0102 \end{bmatrix} \\
1275 &= \mathbf{PI}(4, 3, 0, 1, 1, 1) = L_{1995} = \begin{bmatrix} 1033 \\ 0103 \end{bmatrix} \\
1276 &= \mathbf{PI}(3, 4, 0, 1, 1, 1) = L_{2660} = \begin{bmatrix} 1044 \\ 0104 \end{bmatrix} \\
1277 &= \mathbf{PI}(7, 5, 0, 1, 1, 1) = L_{3325} = \begin{bmatrix} 1055 \\ 0105 \end{bmatrix} \\
1278 &= \mathbf{PI}(2, 6, 0, 1, 1, 1) = L_{3990} = \begin{bmatrix} 1066 \\ 0106 \end{bmatrix} \\
1279 &= \mathbf{PI}(5, 7, 0, 1, 1, 1) = L_{4655} = \begin{bmatrix} 1077 \\ 0107 \end{bmatrix} \\
1280 &= \mathbf{PI}(0, 0, 1, 1, 1, 1) = L_{138} = \begin{bmatrix} 1100 \\ 0011 \end{bmatrix} \\
1281 &= \mathbf{PI}(1, 0, 1, 1, 1, 1) = L_{666} = \begin{bmatrix} 1011 \\ 0111 \end{bmatrix} \\
1282 &= \mathbf{PI}(2, 0, 1, 1, 1, 1) = L_{3996} = \begin{bmatrix} 1066 \\ 0166 \end{bmatrix} \\
1283 &= \mathbf{PI}(3, 0, 1, 1, 1, 1) = L_{2664} = \begin{bmatrix} 1044 \\ 0144 \end{bmatrix} \\
1284 &= \mathbf{PI}(4, 0, 1, 1, 1, 1) = L_{1998} = \begin{bmatrix} 1033 \\ 0133 \end{bmatrix} \\
1285 &= \mathbf{PI}(5, 0, 1, 1, 1, 1) = L_{4662} = \begin{bmatrix} 1077 \\ 0177 \end{bmatrix} \\
1286 &= \mathbf{PI}(6, 0, 1, 1, 1, 1) = L_{1332} = \begin{bmatrix} 1022 \\ 0122 \end{bmatrix} \\
1287 &= \mathbf{PI}(7, 0, 1, 1, 1, 1) = L_{3330} = \begin{bmatrix} 1055 \\ 0155 \end{bmatrix} \\
1288 &= \mathbf{PI}(0, 1, 1, 1, 1, 1) = L_{722} = \begin{bmatrix} 1101 \\ 0011 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1289 &= \mathbf{PI}(0, 2, 1, 1, 1, 1) = L_{1306} = \begin{bmatrix} 1102 \\ 0011 \end{bmatrix} \\
1290 &= \mathbf{PI}(0, 3, 1, 1, 1, 1) = L_{1890} = \begin{bmatrix} 1103 \\ 0011 \end{bmatrix} \\
1291 &= \mathbf{PI}(0, 4, 1, 1, 1, 1) = L_{2474} = \begin{bmatrix} 1104 \\ 0011 \end{bmatrix} \\
1292 &= \mathbf{PI}(0, 5, 1, 1, 1, 1) = L_{3058} = \begin{bmatrix} 1105 \\ 0011 \end{bmatrix} \\
1293 &= \mathbf{PI}(0, 6, 1, 1, 1, 1) = L_{3642} = \begin{bmatrix} 1106 \\ 0011 \end{bmatrix} \\
1294 &= \mathbf{PI}(0, 7, 1, 1, 1, 1) = L_{4226} = \begin{bmatrix} 1107 \\ 0011 \end{bmatrix} \\
1295 &= \mathbf{PI}(3, 1, 2, 1, 1, 1) = L_{2665} = \begin{bmatrix} 1044 \\ 0154 \end{bmatrix} \\
1296 &= \mathbf{PI}(7, 2, 2, 1, 1, 1) = L_{3332} = \begin{bmatrix} 1055 \\ 0175 \end{bmatrix} \\
1297 &= \mathbf{PI}(1, 3, 2, 1, 1, 1) = L_{667} = \begin{bmatrix} 1011 \\ 0121 \end{bmatrix} \\
1298 &= \mathbf{PI}(5, 4, 2, 1, 1, 1) = L_{4658} = \begin{bmatrix} 1077 \\ 0137 \end{bmatrix} \\
1299 &= \mathbf{PI}(4, 5, 2, 1, 1, 1) = L_{2001} = \begin{bmatrix} 1033 \\ 0163 \end{bmatrix} \\
1300 &= \mathbf{PI}(6, 6, 2, 1, 1, 1) = L_{1334} = \begin{bmatrix} 1022 \\ 0142 \end{bmatrix} \\
1301 &= \mathbf{PI}(2, 7, 2, 1, 1, 1) = L_{3991} = \begin{bmatrix} 1066 \\ 0116 \end{bmatrix} \\
1302 &= \mathbf{PI}(2, 1, 3, 1, 1, 1) = L_{3997} = \begin{bmatrix} 1066 \\ 0176 \end{bmatrix} \\
1303 &= \mathbf{PI}(1, 2, 3, 1, 1, 1) = L_{668} = \begin{bmatrix} 1011 \\ 0131 \end{bmatrix} \\
1304 &= \mathbf{PI}(5, 3, 3, 1, 1, 1) = L_{4659} = \begin{bmatrix} 1077 \\ 0147 \end{bmatrix} \\
1305 &= \mathbf{PI}(6, 4, 3, 1, 1, 1) = L_{1336} = \begin{bmatrix} 1022 \\ 0162 \end{bmatrix} \\
1306 &= \mathbf{PI}(3, 5, 3, 1, 1, 1) = L_{2661} = \begin{bmatrix} 1044 \\ 0114 \end{bmatrix} \\
1307 &= \mathbf{PI}(4, 6, 3, 1, 1, 1) = L_{2000} = \begin{bmatrix} 1033 \\ 0153 \end{bmatrix} \\
1308 &= \mathbf{PI}(7, 7, 3, 1, 1, 1) = L_{3327} = \begin{bmatrix} 1055 \\ 0125 \end{bmatrix} \\
1309 &= \mathbf{PI}(5, 1, 4, 1, 1, 1) = L_{4661} = \begin{bmatrix} 1077 \\ 0167 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1310 &= \mathbf{PI}(4, 2, 4, 1, 1, 1) = L_{1996} = \begin{bmatrix} 1033 \\ 0113 \end{bmatrix} \\
1311 &= \mathbf{PI}(3, 3, 4, 1, 1, 1) = L_{2667} = \begin{bmatrix} 1044 \\ 0174 \end{bmatrix} \\
1312 &= \mathbf{PI}(2, 4, 4, 1, 1, 1) = L_{3992} = \begin{bmatrix} 1066 \\ 0126 \end{bmatrix} \\
1313 &= \mathbf{PI}(1, 5, 4, 1, 1, 1) = L_{669} = \begin{bmatrix} 1011 \\ 0141 \end{bmatrix} \\
1314 &= \mathbf{PI}(7, 6, 4, 1, 1, 1) = L_{3328} = \begin{bmatrix} 1055 \\ 0135 \end{bmatrix} \\
1315 &= \mathbf{PI}(6, 7, 4, 1, 1, 1) = L_{1335} = \begin{bmatrix} 1022 \\ 0152 \end{bmatrix} \\
1316 &= \mathbf{PI}(4, 1, 5, 1, 1, 1) = L_{1997} = \begin{bmatrix} 1033 \\ 0123 \end{bmatrix} \\
1317 &= \mathbf{PI}(2, 2, 5, 1, 1, 1) = L_{3994} = \begin{bmatrix} 1066 \\ 0146 \end{bmatrix} \\
1318 &= \mathbf{PI}(7, 3, 5, 1, 1, 1) = L_{3331} = \begin{bmatrix} 1055 \\ 0165 \end{bmatrix} \\
1319 &= \mathbf{PI}(1, 4, 5, 1, 1, 1) = L_{670} = \begin{bmatrix} 1011 \\ 0151 \end{bmatrix} \\
1320 &= \mathbf{PI}(6, 5, 5, 1, 1, 1) = L_{1337} = \begin{bmatrix} 1022 \\ 0172 \end{bmatrix} \\
1321 &= \mathbf{PI}(5, 6, 5, 1, 1, 1) = L_{4656} = \begin{bmatrix} 1077 \\ 0117 \end{bmatrix} \\
1322 &= \mathbf{PI}(3, 7, 5, 1, 1, 1) = L_{2663} = \begin{bmatrix} 1044 \\ 0134 \end{bmatrix} \\
1323 &= \mathbf{PI}(7, 1, 6, 1, 1, 1) = L_{3329} = \begin{bmatrix} 1055 \\ 0145 \end{bmatrix} \\
1324 &= \mathbf{PI}(5, 2, 6, 1, 1, 1) = L_{4660} = \begin{bmatrix} 1077 \\ 0157 \end{bmatrix} \\
1325 &= \mathbf{PI}(6, 3, 6, 1, 1, 1) = L_{1331} = \begin{bmatrix} 1022 \\ 0112 \end{bmatrix} \\
1326 &= \mathbf{PI}(4, 4, 6, 1, 1, 1) = L_{2002} = \begin{bmatrix} 1033 \\ 0173 \end{bmatrix} \\
1327 &= \mathbf{PI}(2, 5, 6, 1, 1, 1) = L_{3993} = \begin{bmatrix} 1066 \\ 0136 \end{bmatrix} \\
1328 &= \mathbf{PI}(3, 6, 6, 1, 1, 1) = L_{2662} = \begin{bmatrix} 1044 \\ 0124 \end{bmatrix} \\
1329 &= \mathbf{PI}(1, 7, 6, 1, 1, 1) = L_{671} = \begin{bmatrix} 1011 \\ 0161 \end{bmatrix} \\
1330 &= \mathbf{PI}(6, 1, 7, 1, 1, 1) = L_{1333} = \begin{bmatrix} 1022 \\ 0132 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1331 &= \mathbf{PI}(3, 2, 7, 1, 1, 1) = L_{2666} = \begin{bmatrix} 1044 \\ 0164 \end{bmatrix} \\
1332 &= \mathbf{PI}(2, 3, 7, 1, 1, 1) = L_{3995} = \begin{bmatrix} 1066 \\ 0156 \end{bmatrix} \\
1333 &= \mathbf{PI}(7, 4, 7, 1, 1, 1) = L_{3326} = \begin{bmatrix} 1055 \\ 0115 \end{bmatrix} \\
1334 &= \mathbf{PI}(5, 5, 7, 1, 1, 1) = L_{4657} = \begin{bmatrix} 1077 \\ 0127 \end{bmatrix} \\
1335 &= \mathbf{PI}(1, 6, 7, 1, 1, 1) = L_{672} = \begin{bmatrix} 1011 \\ 0171 \end{bmatrix} \\
1336 &= \mathbf{PI}(4, 7, 7, 1, 1, 1) = L_{1999} = \begin{bmatrix} 1033 \\ 0143 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1337 &= \mathbf{PI}(1, 1, 0, 2, 1, 1) = L_{1249} = \begin{bmatrix} 1012 \\ 0101 \end{bmatrix} \\
1338 &= \mathbf{PI}(6, 2, 0, 2, 1, 1) = L_{2498} = \begin{bmatrix} 1024 \\ 0102 \end{bmatrix} \\
1339 &= \mathbf{PI}(4, 3, 0, 2, 1, 1) = L_{3747} = \begin{bmatrix} 1036 \\ 0103 \end{bmatrix} \\
1340 &= \mathbf{PI}(3, 4, 0, 2, 1, 1) = L_{3244} = \begin{bmatrix} 1045 \\ 0104 \end{bmatrix} \\
1341 &= \mathbf{PI}(7, 5, 0, 2, 1, 1) = L_{4493} = \begin{bmatrix} 1057 \\ 0105 \end{bmatrix} \\
1342 &= \mathbf{PI}(2, 6, 0, 2, 1, 1) = L_{1070} = \begin{bmatrix} 1061 \\ 0106 \end{bmatrix} \\
1343 &= \mathbf{PI}(5, 7, 0, 2, 1, 1) = L_{2319} = \begin{bmatrix} 1073 \\ 0107 \end{bmatrix} \\
1344 &= \mathbf{PI}(3, 1, 1, 2, 1, 1) = L_{3248} = \begin{bmatrix} 1045 \\ 0144 \end{bmatrix} \\
1345 &= \mathbf{PI}(7, 2, 1, 2, 1, 1) = L_{4498} = \begin{bmatrix} 1057 \\ 0155 \end{bmatrix} \\
1346 &= \mathbf{PI}(1, 3, 1, 2, 1, 1) = L_{1250} = \begin{bmatrix} 1012 \\ 0111 \end{bmatrix} \\
1347 &= \mathbf{PI}(5, 4, 1, 2, 1, 1) = L_{2326} = \begin{bmatrix} 1073 \\ 0177 \end{bmatrix} \\
1348 &= \mathbf{PI}(4, 5, 1, 2, 1, 1) = L_{3750} = \begin{bmatrix} 1036 \\ 0133 \end{bmatrix} \\
1349 &= \mathbf{PI}(6, 6, 1, 2, 1, 1) = L_{2500} = \begin{bmatrix} 1024 \\ 0122 \end{bmatrix} \\
1350 &= \mathbf{PI}(2, 7, 1, 2, 1, 1) = L_{1076} = \begin{bmatrix} 1061 \\ 0166 \end{bmatrix} \\
1351 &= \mathbf{PI}(5, 1, 2, 2, 1, 1) = L_{2322} = \begin{bmatrix} 1073 \\ 0137 \end{bmatrix} \\
1352 &= \mathbf{PI}(4, 2, 2, 2, 1, 1) = L_{3753} = \begin{bmatrix} 1036 \\ 0163 \end{bmatrix} \\
1353 &= \mathbf{PI}(3, 3, 2, 2, 1, 1) = L_{3249} = \begin{bmatrix} 1045 \\ 0154 \end{bmatrix} \\
1354 &= \mathbf{PI}(2, 4, 2, 2, 1, 1) = L_{1071} = \begin{bmatrix} 1061 \\ 0116 \end{bmatrix} \\
1355 &= \mathbf{PI}(1, 5, 2, 2, 1, 1) = L_{1251} = \begin{bmatrix} 1012 \\ 0121 \end{bmatrix} \\
1356 &= \mathbf{PI}(7, 6, 2, 2, 1, 1) = L_{4500} = \begin{bmatrix} 1057 \\ 0175 \end{bmatrix} \\
1357 &= \mathbf{PI}(6, 7, 2, 2, 1, 1) = L_{2502} = \begin{bmatrix} 1024 \\ 0142 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
1358 &= \mathbf{PI}(7, 1, 3, 2, 1, 1) = L_{4495} = \begin{bmatrix} 1057 \\ 0125 \end{bmatrix} \\
1359 &= \mathbf{PI}(5, 2, 3, 2, 1, 1) = L_{2323} = \begin{bmatrix} 1073 \\ 0147 \end{bmatrix} \\
1360 &= \mathbf{PI}(6, 3, 3, 2, 1, 1) = L_{2504} = \begin{bmatrix} 1024 \\ 0162 \end{bmatrix} \\
1361 &= \mathbf{PI}(4, 4, 3, 2, 1, 1) = L_{3752} = \begin{bmatrix} 1036 \\ 0153 \end{bmatrix} \\
1362 &= \mathbf{PI}(2, 5, 3, 2, 1, 1) = L_{1077} = \begin{bmatrix} 1061 \\ 0176 \end{bmatrix} \\
1363 &= \mathbf{PI}(3, 6, 3, 2, 1, 1) = L_{3245} = \begin{bmatrix} 1045 \\ 0114 \end{bmatrix} \\
1364 &= \mathbf{PI}(1, 7, 3, 2, 1, 1) = L_{1252} = \begin{bmatrix} 1012 \\ 0131 \end{bmatrix} \\
1365 &= \mathbf{PI}(4, 1, 4, 2, 1, 1) = L_{3748} = \begin{bmatrix} 1036 \\ 0113 \end{bmatrix} \\
1366 &= \mathbf{PI}(2, 2, 4, 2, 1, 1) = L_{1072} = \begin{bmatrix} 1061 \\ 0126 \end{bmatrix} \\
1367 &= \mathbf{PI}(7, 3, 4, 2, 1, 1) = L_{4496} = \begin{bmatrix} 1057 \\ 0135 \end{bmatrix} \\
1368 &= \mathbf{PI}(1, 4, 4, 2, 1, 1) = L_{1253} = \begin{bmatrix} 1012 \\ 0141 \end{bmatrix} \\
1369 &= \mathbf{PI}(6, 5, 4, 2, 1, 1) = L_{2503} = \begin{bmatrix} 1024 \\ 0152 \end{bmatrix} \\
1370 &= \mathbf{PI}(5, 6, 4, 2, 1, 1) = L_{2325} = \begin{bmatrix} 1073 \\ 0167 \end{bmatrix} \\
1371 &= \mathbf{PI}(3, 7, 4, 2, 1, 1) = L_{3251} = \begin{bmatrix} 1045 \\ 0174 \end{bmatrix} \\
1372 &= \mathbf{PI}(6, 1, 5, 2, 1, 1) = L_{2505} = \begin{bmatrix} 1024 \\ 0172 \end{bmatrix} \\
1373 &= \mathbf{PI}(3, 2, 5, 2, 1, 1) = L_{3247} = \begin{bmatrix} 1045 \\ 0134 \end{bmatrix} \\
1374 &= \mathbf{PI}(2, 3, 5, 2, 1, 1) = L_{1074} = \begin{bmatrix} 1061 \\ 0146 \end{bmatrix} \\
1375 &= \mathbf{PI}(7, 4, 5, 2, 1, 1) = L_{4499} = \begin{bmatrix} 1057 \\ 0165 \end{bmatrix} \\
1376 &= \mathbf{PI}(5, 5, 5, 2, 1, 1) = L_{2320} = \begin{bmatrix} 1073 \\ 0117 \end{bmatrix} \\
1377 &= \mathbf{PI}(1, 6, 5, 2, 1, 1) = L_{1254} = \begin{bmatrix} 1012 \\ 0151 \end{bmatrix} \\
1378 &= \mathbf{PI}(4, 7, 5, 2, 1, 1) = L_{3749} = \begin{bmatrix} 1036 \\ 0123 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1379 &= \mathbf{PI}(0, 0, 6, 2, 1, 1) = L_{212} = \begin{bmatrix} 1200 \\ 0012 \end{bmatrix} \\
1380 &= \mathbf{PI}(1, 0, 6, 2, 1, 1) = L_{1255} = \begin{bmatrix} 1012 \\ 0161 \end{bmatrix} \\
1381 &= \mathbf{PI}(2, 0, 6, 2, 1, 1) = L_{1073} = \begin{bmatrix} 1061 \\ 0136 \end{bmatrix} \\
1382 &= \mathbf{PI}(3, 0, 6, 2, 1, 1) = L_{3246} = \begin{bmatrix} 1045 \\ 0124 \end{bmatrix} \\
1383 &= \mathbf{PI}(4, 0, 6, 2, 1, 1) = L_{3754} = \begin{bmatrix} 1036 \\ 0173 \end{bmatrix} \\
1384 &= \mathbf{PI}(5, 0, 6, 2, 1, 1) = L_{2324} = \begin{bmatrix} 1073 \\ 0157 \end{bmatrix} \\
1385 &= \mathbf{PI}(6, 0, 6, 2, 1, 1) = L_{2499} = \begin{bmatrix} 1024 \\ 0112 \end{bmatrix} \\
1386 &= \mathbf{PI}(7, 0, 6, 2, 1, 1) = L_{4497} = \begin{bmatrix} 1057 \\ 0145 \end{bmatrix} \\
1387 &= \mathbf{PI}(0, 1, 6, 2, 1, 1) = L_{1380} = \begin{bmatrix} 1202 \\ 0012 \end{bmatrix} \\
1388 &= \mathbf{PI}(0, 2, 6, 2, 1, 1) = L_{2548} = \begin{bmatrix} 1204 \\ 0012 \end{bmatrix} \\
1389 &= \mathbf{PI}(0, 3, 6, 2, 1, 1) = L_{3716} = \begin{bmatrix} 1206 \\ 0012 \end{bmatrix} \\
1390 &= \mathbf{PI}(0, 4, 6, 2, 1, 1) = L_{3132} = \begin{bmatrix} 1205 \\ 0012 \end{bmatrix} \\
1391 &= \mathbf{PI}(0, 5, 6, 2, 1, 1) = L_{4300} = \begin{bmatrix} 1207 \\ 0012 \end{bmatrix} \\
1392 &= \mathbf{PI}(0, 6, 6, 2, 1, 1) = L_{796} = \begin{bmatrix} 1201 \\ 0012 \end{bmatrix} \\
1393 &= \mathbf{PI}(0, 7, 6, 2, 1, 1) = L_{1964} = \begin{bmatrix} 1203 \\ 0012 \end{bmatrix} \\
1394 &= \mathbf{PI}(2, 1, 7, 2, 1, 1) = L_{1075} = \begin{bmatrix} 1061 \\ 0156 \end{bmatrix} \\
1395 &= \mathbf{PI}(1, 2, 7, 2, 1, 1) = L_{1256} = \begin{bmatrix} 1012 \\ 0171 \end{bmatrix} \\
1396 &= \mathbf{PI}(5, 3, 7, 2, 1, 1) = L_{2321} = \begin{bmatrix} 1073 \\ 0127 \end{bmatrix} \\
1397 &= \mathbf{PI}(6, 4, 7, 2, 1, 1) = L_{2501} = \begin{bmatrix} 1024 \\ 0132 \end{bmatrix} \\
1398 &= \mathbf{PI}(3, 5, 7, 2, 1, 1) = L_{3250} = \begin{bmatrix} 1045 \\ 0164 \end{bmatrix} \\
1399 &= \mathbf{PI}(4, 6, 7, 2, 1, 1) = L_{3751} = \begin{bmatrix} 1036 \\ 0143 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1400 &= \mathbf{PI}(7, 7, 7, 2, 1, 1) = L_{4494} = \begin{bmatrix} 1057 \\ 0115 \end{bmatrix} \\
1401 &= \mathbf{PI}(1, 1, 0, 3, 1, 1) = L_{1833} = \begin{bmatrix} 1013 \\ 0101 \end{bmatrix} \\
1402 &= \mathbf{PI}(6, 2, 0, 3, 1, 1) = L_{3666} = \begin{bmatrix} 1026 \\ 0102 \end{bmatrix} \\
1403 &= \mathbf{PI}(4, 3, 0, 3, 1, 1) = L_{3163} = \begin{bmatrix} 1035 \\ 0103 \end{bmatrix} \\
1404 &= \mathbf{PI}(3, 4, 0, 3, 1, 1) = L_{908} = \begin{bmatrix} 1041 \\ 0104 \end{bmatrix} \\
1405 &= \mathbf{PI}(7, 5, 0, 3, 1, 1) = L_{1573} = \begin{bmatrix} 1052 \\ 0105 \end{bmatrix} \\
1406 &= \mathbf{PI}(2, 6, 0, 3, 1, 1) = L_{4574} = \begin{bmatrix} 1067 \\ 0106 \end{bmatrix} \\
1407 &= \mathbf{PI}(5, 7, 0, 3, 1, 1) = L_{2903} = \begin{bmatrix} 1074 \\ 0107 \end{bmatrix} \\
1408 &= \mathbf{PI}(2, 1, 1, 3, 1, 1) = L_{4580} = \begin{bmatrix} 1067 \\ 0166 \end{bmatrix} \\
1409 &= \mathbf{PI}(1, 2, 1, 3, 1, 1) = L_{1834} = \begin{bmatrix} 1013 \\ 0111 \end{bmatrix} \\
1410 &= \mathbf{PI}(5, 3, 1, 3, 1, 1) = L_{2910} = \begin{bmatrix} 1074 \\ 0177 \end{bmatrix} \\
1411 &= \mathbf{PI}(6, 4, 1, 3, 1, 1) = L_{3668} = \begin{bmatrix} 1026 \\ 0122 \end{bmatrix} \\
1412 &= \mathbf{PI}(3, 5, 1, 3, 1, 1) = L_{912} = \begin{bmatrix} 1041 \\ 0144 \end{bmatrix} \\
1413 &= \mathbf{PI}(4, 6, 1, 3, 1, 1) = L_{3166} = \begin{bmatrix} 1035 \\ 0133 \end{bmatrix} \\
1414 &= \mathbf{PI}(7, 7, 1, 3, 1, 1) = L_{1578} = \begin{bmatrix} 1052 \\ 0155 \end{bmatrix} \\
1415 &= \mathbf{PI}(7, 1, 2, 3, 1, 1) = L_{1580} = \begin{bmatrix} 1052 \\ 0175 \end{bmatrix} \\
1416 &= \mathbf{PI}(5, 2, 2, 3, 1, 1) = L_{2906} = \begin{bmatrix} 1074 \\ 0137 \end{bmatrix} \\
1417 &= \mathbf{PI}(6, 3, 2, 3, 1, 1) = L_{3670} = \begin{bmatrix} 1026 \\ 0142 \end{bmatrix} \\
1418 &= \mathbf{PI}(4, 4, 2, 3, 1, 1) = L_{3169} = \begin{bmatrix} 1035 \\ 0163 \end{bmatrix} \\
1419 &= \mathbf{PI}(2, 5, 2, 3, 1, 1) = L_{4575} = \begin{bmatrix} 1067 \\ 0116 \end{bmatrix} \\
1420 &= \mathbf{PI}(3, 6, 2, 3, 1, 1) = L_{913} = \begin{bmatrix} 1041 \\ 0154 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1421 &= \mathbf{PI}(1, 7, 2, 3, 1, 1) = L_{1835} = \begin{bmatrix} 1013 \\ 0121 \end{bmatrix} \\
1422 &= \mathbf{PI}(4, 1, 3, 3, 1, 1) = L_{3168} = \begin{bmatrix} 1035 \\ 0153 \end{bmatrix} \\
1423 &= \mathbf{PI}(2, 2, 3, 3, 1, 1) = L_{4581} = \begin{bmatrix} 1067 \\ 0176 \end{bmatrix} \\
1424 &= \mathbf{PI}(7, 3, 3, 3, 1, 1) = L_{1575} = \begin{bmatrix} 1052 \\ 0125 \end{bmatrix} \\
1425 &= \mathbf{PI}(1, 4, 3, 3, 1, 1) = L_{1836} = \begin{bmatrix} 1013 \\ 0131 \end{bmatrix} \\
1426 &= \mathbf{PI}(6, 5, 3, 3, 1, 1) = L_{3672} = \begin{bmatrix} 1026 \\ 0162 \end{bmatrix} \\
1427 &= \mathbf{PI}(5, 6, 3, 3, 1, 1) = L_{2907} = \begin{bmatrix} 1074 \\ 0147 \end{bmatrix} \\
1428 &= \mathbf{PI}(3, 7, 3, 3, 1, 1) = L_{909} = \begin{bmatrix} 1041 \\ 0114 \end{bmatrix} \\
1429 &= \mathbf{PI}(0, 0, 4, 3, 1, 1) = L_{286} = \begin{bmatrix} 1300 \\ 0013 \end{bmatrix} \\
1430 &= \mathbf{PI}(1, 0, 4, 3, 1, 1) = L_{1837} = \begin{bmatrix} 1013 \\ 0141 \end{bmatrix} \\
1431 &= \mathbf{PI}(2, 0, 4, 3, 1, 1) = L_{4576} = \begin{bmatrix} 1067 \\ 0126 \end{bmatrix} \\
1432 &= \mathbf{PI}(3, 0, 4, 3, 1, 1) = L_{915} = \begin{bmatrix} 1041 \\ 0174 \end{bmatrix} \\
1433 &= \mathbf{PI}(4, 0, 4, 3, 1, 1) = L_{3164} = \begin{bmatrix} 1035 \\ 0113 \end{bmatrix} \\
1434 &= \mathbf{PI}(5, 0, 4, 3, 1, 1) = L_{2909} = \begin{bmatrix} 1074 \\ 0167 \end{bmatrix} \\
1435 &= \mathbf{PI}(6, 0, 4, 3, 1, 1) = L_{3671} = \begin{bmatrix} 1026 \\ 0152 \end{bmatrix} \\
1436 &= \mathbf{PI}(7, 0, 4, 3, 1, 1) = L_{1576} = \begin{bmatrix} 1052 \\ 0135 \end{bmatrix} \\
1437 &= \mathbf{PI}(0, 1, 4, 3, 1, 1) = L_{2038} = \begin{bmatrix} 1303 \\ 0013 \end{bmatrix} \\
1438 &= \mathbf{PI}(0, 2, 4, 3, 1, 1) = L_{3790} = \begin{bmatrix} 1306 \\ 0013 \end{bmatrix} \\
1439 &= \mathbf{PI}(0, 3, 4, 3, 1, 1) = L_{3206} = \begin{bmatrix} 1305 \\ 0013 \end{bmatrix} \\
1440 &= \mathbf{PI}(0, 4, 4, 3, 1, 1) = L_{870} = \begin{bmatrix} 1301 \\ 0013 \end{bmatrix} \\
1441 &= \mathbf{PI}(0, 5, 4, 3, 1, 1) = L_{1454} = \begin{bmatrix} 1302 \\ 0013 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1442 &= \mathbf{PI}(0, 6, 4, 3, 1, 1) = L_{4374} = \begin{bmatrix} 1307 \\ 0013 \end{bmatrix} \\
1443 &= \mathbf{PI}(0, 7, 4, 3, 1, 1) = L_{2622} = \begin{bmatrix} 1304 \\ 0013 \end{bmatrix} \\
1444 &= \mathbf{PI}(3, 1, 5, 3, 1, 1) = L_{911} = \begin{bmatrix} 1041 \\ 0134 \end{bmatrix} \\
1445 &= \mathbf{PI}(7, 2, 5, 3, 1, 1) = L_{1579} = \begin{bmatrix} 1052 \\ 0165 \end{bmatrix} \\
1446 &= \mathbf{PI}(1, 3, 5, 3, 1, 1) = L_{1838} = \begin{bmatrix} 1013 \\ 0151 \end{bmatrix} \\
1447 &= \mathbf{PI}(5, 4, 5, 3, 1, 1) = L_{2904} = \begin{bmatrix} 1074 \\ 0117 \end{bmatrix} \\
1448 &= \mathbf{PI}(4, 5, 5, 3, 1, 1) = L_{3165} = \begin{bmatrix} 1035 \\ 0123 \end{bmatrix} \\
1449 &= \mathbf{PI}(6, 6, 5, 3, 1, 1) = L_{3673} = \begin{bmatrix} 1026 \\ 0172 \end{bmatrix} \\
1450 &= \mathbf{PI}(2, 7, 5, 3, 1, 1) = L_{4578} = \begin{bmatrix} 1067 \\ 0146 \end{bmatrix} \\
1451 &= \mathbf{PI}(6, 1, 6, 3, 1, 1) = L_{3667} = \begin{bmatrix} 1026 \\ 0112 \end{bmatrix} \\
1452 &= \mathbf{PI}(3, 2, 6, 3, 1, 1) = L_{910} = \begin{bmatrix} 1041 \\ 0124 \end{bmatrix} \\
1453 &= \mathbf{PI}(2, 3, 6, 3, 1, 1) = L_{4577} = \begin{bmatrix} 1067 \\ 0136 \end{bmatrix} \\
1454 &= \mathbf{PI}(7, 4, 6, 3, 1, 1) = L_{1577} = \begin{bmatrix} 1052 \\ 0145 \end{bmatrix} \\
1455 &= \mathbf{PI}(5, 5, 6, 3, 1, 1) = L_{2908} = \begin{bmatrix} 1074 \\ 0157 \end{bmatrix} \\
1456 &= \mathbf{PI}(1, 6, 6, 3, 1, 1) = L_{1839} = \begin{bmatrix} 1013 \\ 0161 \end{bmatrix} \\
1457 &= \mathbf{PI}(4, 7, 6, 3, 1, 1) = L_{3170} = \begin{bmatrix} 1035 \\ 0173 \end{bmatrix} \\
1458 &= \mathbf{PI}(5, 1, 7, 3, 1, 1) = L_{2905} = \begin{bmatrix} 1074 \\ 0127 \end{bmatrix} \\
1459 &= \mathbf{PI}(4, 2, 7, 3, 1, 1) = L_{3167} = \begin{bmatrix} 1035 \\ 0143 \end{bmatrix} \\
1460 &= \mathbf{PI}(3, 3, 7, 3, 1, 1) = L_{914} = \begin{bmatrix} 1041 \\ 0164 \end{bmatrix} \\
1461 &= \mathbf{PI}(2, 4, 7, 3, 1, 1) = L_{4579} = \begin{bmatrix} 1067 \\ 0156 \end{bmatrix} \\
1462 &= \mathbf{PI}(1, 5, 7, 3, 1, 1) = L_{1840} = \begin{bmatrix} 1013 \\ 0171 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1463 &= \mathbf{PI}(7, 6, 7, 3, 1, 1) = L_{1574} = \begin{bmatrix} 1052 \\ 0115 \end{bmatrix} \\
1464 &= \mathbf{PI}(6, 7, 7, 3, 1, 1) = L_{3669} = \begin{bmatrix} 1026 \\ 0132 \end{bmatrix} \\
1465 &= \mathbf{PI}(1, 1, 0, 4, 1, 1) = L_{2417} = \begin{bmatrix} 1014 \\ 0101 \end{bmatrix} \\
1466 &= \mathbf{PI}(6, 2, 0, 4, 1, 1) = L_{3082} = \begin{bmatrix} 1025 \\ 0102 \end{bmatrix} \\
1467 &= \mathbf{PI}(4, 3, 0, 4, 1, 1) = L_{827} = \begin{bmatrix} 1031 \\ 0103 \end{bmatrix} \\
1468 &= \mathbf{PI}(3, 4, 0, 4, 1, 1) = L_{4412} = \begin{bmatrix} 1047 \\ 0104 \end{bmatrix} \\
1469 &= \mathbf{PI}(7, 5, 0, 4, 1, 1) = L_{2157} = \begin{bmatrix} 1053 \\ 0105 \end{bmatrix} \\
1470 &= \mathbf{PI}(2, 6, 0, 4, 1, 1) = L_{1654} = \begin{bmatrix} 1062 \\ 0106 \end{bmatrix} \\
1471 &= \mathbf{PI}(5, 7, 0, 4, 1, 1) = L_{4071} = \begin{bmatrix} 1076 \\ 0107 \end{bmatrix} \\
1472 &= \mathbf{PI}(5, 1, 1, 4, 1, 1) = L_{4078} = \begin{bmatrix} 1076 \\ 0177 \end{bmatrix} \\
1473 &= \mathbf{PI}(4, 2, 1, 4, 1, 1) = L_{830} = \begin{bmatrix} 1031 \\ 0133 \end{bmatrix} \\
1474 &= \mathbf{PI}(3, 3, 1, 4, 1, 1) = L_{4416} = \begin{bmatrix} 1047 \\ 0144 \end{bmatrix} \\
1475 &= \mathbf{PI}(2, 4, 1, 4, 1, 1) = L_{1660} = \begin{bmatrix} 1062 \\ 0166 \end{bmatrix} \\
1476 &= \mathbf{PI}(1, 5, 1, 4, 1, 1) = L_{2418} = \begin{bmatrix} 1014 \\ 0111 \end{bmatrix} \\
1477 &= \mathbf{PI}(7, 6, 1, 4, 1, 1) = L_{2162} = \begin{bmatrix} 1053 \\ 0155 \end{bmatrix} \\
1478 &= \mathbf{PI}(6, 7, 1, 4, 1, 1) = L_{3084} = \begin{bmatrix} 1025 \\ 0122 \end{bmatrix} \\
1479 &= \mathbf{PI}(4, 1, 2, 4, 1, 1) = L_{833} = \begin{bmatrix} 1031 \\ 0163 \end{bmatrix} \\
1480 &= \mathbf{PI}(2, 2, 2, 4, 1, 1) = L_{1655} = \begin{bmatrix} 1062 \\ 0116 \end{bmatrix} \\
1481 &= \mathbf{PI}(7, 3, 2, 4, 1, 1) = L_{2164} = \begin{bmatrix} 1053 \\ 0175 \end{bmatrix} \\
1482 &= \mathbf{PI}(1, 4, 2, 4, 1, 1) = L_{2419} = \begin{bmatrix} 1014 \\ 0121 \end{bmatrix} \\
1483 &= \mathbf{PI}(6, 5, 2, 4, 1, 1) = L_{3086} = \begin{bmatrix} 1025 \\ 0142 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1484 &= \mathbf{PI}(5, 6, 2, 4, 1, 1) = L_{4074} = \begin{bmatrix} 1076 \\ 0137 \end{bmatrix} \\
1485 &= \mathbf{PI}(3, 7, 2, 4, 1, 1) = L_{4417} = \begin{bmatrix} 1047 \\ 0154 \end{bmatrix} \\
1486 &= \mathbf{PI}(0, 0, 3, 4, 1, 1) = L_{360} = \begin{bmatrix} 1400 \\ 0014 \end{bmatrix} \\
1487 &= \mathbf{PI}(1, 0, 3, 4, 1, 1) = L_{2420} = \begin{bmatrix} 1014 \\ 0131 \end{bmatrix} \\
1488 &= \mathbf{PI}(2, 0, 3, 4, 1, 1) = L_{1661} = \begin{bmatrix} 1062 \\ 0176 \end{bmatrix} \\
1489 &= \mathbf{PI}(3, 0, 3, 4, 1, 1) = L_{4413} = \begin{bmatrix} 1047 \\ 0114 \end{bmatrix} \\
1490 &= \mathbf{PI}(4, 0, 3, 4, 1, 1) = L_{832} = \begin{bmatrix} 1031 \\ 0153 \end{bmatrix} \\
1491 &= \mathbf{PI}(5, 0, 3, 4, 1, 1) = L_{4075} = \begin{bmatrix} 1076 \\ 0147 \end{bmatrix} \\
1492 &= \mathbf{PI}(6, 0, 3, 4, 1, 1) = L_{3088} = \begin{bmatrix} 1025 \\ 0162 \end{bmatrix} \\
1493 &= \mathbf{PI}(7, 0, 3, 4, 1, 1) = L_{2159} = \begin{bmatrix} 1053 \\ 0125 \end{bmatrix} \\
1494 &= \mathbf{PI}(0, 1, 3, 4, 1, 1) = L_{2696} = \begin{bmatrix} 1404 \\ 0014 \end{bmatrix} \\
1495 &= \mathbf{PI}(0, 2, 3, 4, 1, 1) = L_{3280} = \begin{bmatrix} 1405 \\ 0014 \end{bmatrix} \\
1496 &= \mathbf{PI}(0, 3, 3, 4, 1, 1) = L_{944} = \begin{bmatrix} 1401 \\ 0014 \end{bmatrix} \\
1497 &= \mathbf{PI}(0, 4, 3, 4, 1, 1) = L_{4448} = \begin{bmatrix} 1407 \\ 0014 \end{bmatrix} \\
1498 &= \mathbf{PI}(0, 5, 3, 4, 1, 1) = L_{2112} = \begin{bmatrix} 1403 \\ 0014 \end{bmatrix} \\
1499 &= \mathbf{PI}(0, 6, 3, 4, 1, 1) = L_{1528} = \begin{bmatrix} 1402 \\ 0014 \end{bmatrix} \\
1500 &= \mathbf{PI}(0, 7, 3, 4, 1, 1) = L_{3864} = \begin{bmatrix} 1406 \\ 0014 \end{bmatrix} \\
1501 &= \mathbf{PI}(6, 1, 4, 4, 1, 1) = L_{3087} = \begin{bmatrix} 1025 \\ 0152 \end{bmatrix} \\
1502 &= \mathbf{PI}(3, 2, 4, 4, 1, 1) = L_{4419} = \begin{bmatrix} 1047 \\ 0174 \end{bmatrix} \\
1503 &= \mathbf{PI}(2, 3, 4, 4, 1, 1) = L_{1656} = \begin{bmatrix} 1062 \\ 0126 \end{bmatrix} \\
1504 &= \mathbf{PI}(7, 4, 4, 4, 1, 1) = L_{2160} = \begin{bmatrix} 1053 \\ 0135 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1505 &= \mathbf{PI}(5, 5, 4, 4, 1, 1) = L_{4077} = \begin{bmatrix} 1076 \\ 0167 \end{bmatrix} \\
1506 &= \mathbf{PI}(1, 6, 4, 4, 1, 1) = L_{2421} = \begin{bmatrix} 1014 \\ 0141 \end{bmatrix} \\
1507 &= \mathbf{PI}(4, 7, 4, 4, 1, 1) = L_{828} = \begin{bmatrix} 1031 \\ 0113 \end{bmatrix} \\
1508 &= \mathbf{PI}(2, 1, 5, 4, 1, 1) = L_{1658} = \begin{bmatrix} 1062 \\ 0146 \end{bmatrix} \\
1509 &= \mathbf{PI}(1, 2, 5, 4, 1, 1) = L_{2422} = \begin{bmatrix} 1014 \\ 0151 \end{bmatrix} \\
1510 &= \mathbf{PI}(5, 3, 5, 4, 1, 1) = L_{4072} = \begin{bmatrix} 1076 \\ 0117 \end{bmatrix} \\
1511 &= \mathbf{PI}(6, 4, 5, 4, 1, 1) = L_{3089} = \begin{bmatrix} 1025 \\ 0172 \end{bmatrix} \\
1512 &= \mathbf{PI}(3, 5, 5, 4, 1, 1) = L_{4415} = \begin{bmatrix} 1047 \\ 0134 \end{bmatrix} \\
1513 &= \mathbf{PI}(4, 6, 5, 4, 1, 1) = L_{829} = \begin{bmatrix} 1031 \\ 0123 \end{bmatrix} \\
1514 &= \mathbf{PI}(7, 7, 5, 4, 1, 1) = L_{2163} = \begin{bmatrix} 1053 \\ 0165 \end{bmatrix} \\
1515 &= \mathbf{PI}(3, 1, 6, 4, 1, 1) = L_{4414} = \begin{bmatrix} 1047 \\ 0124 \end{bmatrix} \\
1516 &= \mathbf{PI}(7, 2, 6, 4, 1, 1) = L_{2161} = \begin{bmatrix} 1053 \\ 0145 \end{bmatrix} \\
1517 &= \mathbf{PI}(1, 3, 6, 4, 1, 1) = L_{2423} = \begin{bmatrix} 1014 \\ 0161 \end{bmatrix} \\
1518 &= \mathbf{PI}(5, 4, 6, 4, 1, 1) = L_{4076} = \begin{bmatrix} 1076 \\ 0157 \end{bmatrix} \\
1519 &= \mathbf{PI}(4, 5, 6, 4, 1, 1) = L_{834} = \begin{bmatrix} 1031 \\ 0173 \end{bmatrix} \\
1520 &= \mathbf{PI}(6, 6, 6, 4, 1, 1) = L_{3083} = \begin{bmatrix} 1025 \\ 0112 \end{bmatrix} \\
1521 &= \mathbf{PI}(2, 7, 6, 4, 1, 1) = L_{1657} = \begin{bmatrix} 1062 \\ 0136 \end{bmatrix} \\
1522 &= \mathbf{PI}(7, 1, 7, 4, 1, 1) = L_{2158} = \begin{bmatrix} 1053 \\ 0115 \end{bmatrix} \\
1523 &= \mathbf{PI}(5, 2, 7, 4, 1, 1) = L_{4073} = \begin{bmatrix} 1076 \\ 0127 \end{bmatrix} \\
1524 &= \mathbf{PI}(6, 3, 7, 4, 1, 1) = L_{3085} = \begin{bmatrix} 1025 \\ 0132 \end{bmatrix} \\
1525 &= \mathbf{PI}(4, 4, 7, 4, 1, 1) = L_{831} = \begin{bmatrix} 1031 \\ 0143 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
1526 &= \mathbf{PI}(2, 5, 7, 4, 1, 1) = L_{1659} = \begin{bmatrix} 1062 \\ 0156 \end{bmatrix} \\
1527 &= \mathbf{PI}(3, 6, 7, 4, 1, 1) = L_{4418} = \begin{bmatrix} 1047 \\ 0164 \end{bmatrix} \\
1528 &= \mathbf{PI}(1, 7, 7, 4, 1, 1) = L_{2424} = \begin{bmatrix} 1014 \\ 0171 \end{bmatrix} \\
1529 &= \mathbf{PI}(1, 1, 0, 5, 1, 1) = L_{3001} = \begin{bmatrix} 1015 \\ 0101 \end{bmatrix} \\
1530 &= \mathbf{PI}(6, 2, 0, 5, 1, 1) = L_{4250} = \begin{bmatrix} 1027 \\ 0102 \end{bmatrix} \\
1531 &= \mathbf{PI}(4, 3, 0, 5, 1, 1) = L_{1411} = \begin{bmatrix} 1032 \\ 0103 \end{bmatrix} \\
1532 &= \mathbf{PI}(3, 4, 0, 5, 1, 1) = L_{2076} = \begin{bmatrix} 1043 \\ 0104 \end{bmatrix} \\
1533 &= \mathbf{PI}(7, 5, 0, 5, 1, 1) = L_{3909} = \begin{bmatrix} 1056 \\ 0105 \end{bmatrix} \\
1534 &= \mathbf{PI}(2, 6, 0, 5, 1, 1) = L_{2822} = \begin{bmatrix} 1064 \\ 0106 \end{bmatrix} \\
1535 &= \mathbf{PI}(5, 7, 0, 5, 1, 1) = L_{1151} = \begin{bmatrix} 1071 \\ 0107 \end{bmatrix} \\
1536 &= \mathbf{PI}(4, 1, 1, 5, 1, 1) = L_{1414} = \begin{bmatrix} 1032 \\ 0133 \end{bmatrix} \\
1537 &= \mathbf{PI}(2, 2, 1, 5, 1, 1) = L_{2828} = \begin{bmatrix} 1064 \\ 0166 \end{bmatrix} \\
1538 &= \mathbf{PI}(7, 3, 1, 5, 1, 1) = L_{3914} = \begin{bmatrix} 1056 \\ 0155 \end{bmatrix} \\
1539 &= \mathbf{PI}(1, 4, 1, 5, 1, 1) = L_{3002} = \begin{bmatrix} 1015 \\ 0111 \end{bmatrix} \\
1540 &= \mathbf{PI}(6, 5, 1, 5, 1, 1) = L_{4252} = \begin{bmatrix} 1027 \\ 0122 \end{bmatrix} \\
1541 &= \mathbf{PI}(5, 6, 1, 5, 1, 1) = L_{1158} = \begin{bmatrix} 1071 \\ 0177 \end{bmatrix} \\
1542 &= \mathbf{PI}(3, 7, 1, 5, 1, 1) = L_{2080} = \begin{bmatrix} 1043 \\ 0144 \end{bmatrix} \\
1543 &= \mathbf{PI}(6, 1, 2, 5, 1, 1) = L_{4254} = \begin{bmatrix} 1027 \\ 0142 \end{bmatrix} \\
1544 &= \mathbf{PI}(3, 2, 2, 5, 1, 1) = L_{2081} = \begin{bmatrix} 1043 \\ 0154 \end{bmatrix} \\
1545 &= \mathbf{PI}(2, 3, 2, 5, 1, 1) = L_{2823} = \begin{bmatrix} 1064 \\ 0116 \end{bmatrix} \\
1546 &= \mathbf{PI}(7, 4, 2, 5, 1, 1) = L_{3916} = \begin{bmatrix} 1056 \\ 0175 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1547 &= \mathbf{PI}(5, 5, 2, 5, 1, 1) = L_{1154} = \begin{bmatrix} 1071 \\ 0137 \end{bmatrix} \\
1548 &= \mathbf{PI}(1, 6, 2, 5, 1, 1) = L_{3003} = \begin{bmatrix} 1015 \\ 0121 \end{bmatrix} \\
1549 &= \mathbf{PI}(4, 7, 2, 5, 1, 1) = L_{1417} = \begin{bmatrix} 1032 \\ 0163 \end{bmatrix} \\
1550 &= \mathbf{PI}(3, 1, 3, 5, 1, 1) = L_{2077} = \begin{bmatrix} 1043 \\ 0114 \end{bmatrix} \\
1551 &= \mathbf{PI}(7, 2, 3, 5, 1, 1) = L_{3911} = \begin{bmatrix} 1056 \\ 0125 \end{bmatrix} \\
1552 &= \mathbf{PI}(1, 3, 3, 5, 1, 1) = L_{3004} = \begin{bmatrix} 1015 \\ 0131 \end{bmatrix} \\
1553 &= \mathbf{PI}(5, 4, 3, 5, 1, 1) = L_{1155} = \begin{bmatrix} 1071 \\ 0147 \end{bmatrix} \\
1554 &= \mathbf{PI}(4, 5, 3, 5, 1, 1) = L_{1416} = \begin{bmatrix} 1032 \\ 0153 \end{bmatrix} \\
1555 &= \mathbf{PI}(6, 6, 3, 5, 1, 1) = L_{4256} = \begin{bmatrix} 1027 \\ 0162 \end{bmatrix} \\
1556 &= \mathbf{PI}(2, 7, 3, 5, 1, 1) = L_{2829} = \begin{bmatrix} 1064 \\ 0176 \end{bmatrix} \\
1557 &= \mathbf{PI}(2, 1, 4, 5, 1, 1) = L_{2824} = \begin{bmatrix} 1064 \\ 0126 \end{bmatrix} \\
1558 &= \mathbf{PI}(1, 2, 4, 5, 1, 1) = L_{3005} = \begin{bmatrix} 1015 \\ 0141 \end{bmatrix} \\
1559 &= \mathbf{PI}(5, 3, 4, 5, 1, 1) = L_{1157} = \begin{bmatrix} 1071 \\ 0167 \end{bmatrix} \\
1560 &= \mathbf{PI}(6, 4, 4, 5, 1, 1) = L_{4255} = \begin{bmatrix} 1027 \\ 0152 \end{bmatrix} \\
1561 &= \mathbf{PI}(3, 5, 4, 5, 1, 1) = L_{2083} = \begin{bmatrix} 1043 \\ 0174 \end{bmatrix} \\
1562 &= \mathbf{PI}(4, 6, 4, 5, 1, 1) = L_{1412} = \begin{bmatrix} 1032 \\ 0113 \end{bmatrix} \\
1563 &= \mathbf{PI}(7, 7, 4, 5, 1, 1) = L_{3912} = \begin{bmatrix} 1056 \\ 0135 \end{bmatrix} \\
1564 &= \mathbf{PI}(7, 1, 5, 5, 1, 1) = L_{3915} = \begin{bmatrix} 1056 \\ 0165 \end{bmatrix} \\
1565 &= \mathbf{PI}(5, 2, 5, 5, 1, 1) = L_{1152} = \begin{bmatrix} 1071 \\ 0117 \end{bmatrix} \\
1566 &= \mathbf{PI}(6, 3, 5, 5, 1, 1) = L_{4257} = \begin{bmatrix} 1027 \\ 0172 \end{bmatrix} \\
1567 &= \mathbf{PI}(4, 4, 5, 5, 1, 1) = L_{1413} = \begin{bmatrix} 1032 \\ 0123 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1568 &= \mathbf{PI}(2, 5, 5, 5, 1, 1) = L_{2826} = \begin{bmatrix} 1064 \\ 0146 \end{bmatrix} \\
1569 &= \mathbf{PI}(3, 6, 5, 5, 1, 1) = L_{2079} = \begin{bmatrix} 1043 \\ 0134 \end{bmatrix} \\
1570 &= \mathbf{PI}(1, 7, 5, 5, 1, 1) = L_{3006} = \begin{bmatrix} 1015 \\ 0151 \end{bmatrix} \\
1571 &= \mathbf{PI}(5, 1, 6, 5, 1, 1) = L_{1156} = \begin{bmatrix} 1071 \\ 0157 \end{bmatrix} \\
1572 &= \mathbf{PI}(4, 2, 6, 5, 1, 1) = L_{1418} = \begin{bmatrix} 1032 \\ 0173 \end{bmatrix} \\
1573 &= \mathbf{PI}(3, 3, 6, 5, 1, 1) = L_{2078} = \begin{bmatrix} 1043 \\ 0124 \end{bmatrix} \\
1574 &= \mathbf{PI}(2, 4, 6, 5, 1, 1) = L_{2825} = \begin{bmatrix} 1064 \\ 0136 \end{bmatrix} \\
1575 &= \mathbf{PI}(1, 5, 6, 5, 1, 1) = L_{3007} = \begin{bmatrix} 1015 \\ 0161 \end{bmatrix} \\
1576 &= \mathbf{PI}(7, 6, 6, 5, 1, 1) = L_{3913} = \begin{bmatrix} 1056 \\ 0145 \end{bmatrix} \\
1577 &= \mathbf{PI}(6, 7, 6, 5, 1, 1) = L_{4251} = \begin{bmatrix} 1027 \\ 0112 \end{bmatrix} \\
1578 &= \mathbf{PI}(0, 0, 7, 5, 1, 1) = L_{434} = \begin{bmatrix} 1500 \\ 0015 \end{bmatrix} \\
1579 &= \mathbf{PI}(1, 0, 7, 5, 1, 1) = L_{3008} = \begin{bmatrix} 1015 \\ 0171 \end{bmatrix} \\
1580 &= \mathbf{PI}(2, 0, 7, 5, 1, 1) = L_{2827} = \begin{bmatrix} 1064 \\ 0156 \end{bmatrix} \\
1581 &= \mathbf{PI}(3, 0, 7, 5, 1, 1) = L_{2082} = \begin{bmatrix} 1043 \\ 0164 \end{bmatrix} \\
1582 &= \mathbf{PI}(4, 0, 7, 5, 1, 1) = L_{1415} = \begin{bmatrix} 1032 \\ 0143 \end{bmatrix} \\
1583 &= \mathbf{PI}(5, 0, 7, 5, 1, 1) = L_{1153} = \begin{bmatrix} 1071 \\ 0127 \end{bmatrix} \\
1584 &= \mathbf{PI}(6, 0, 7, 5, 1, 1) = L_{4253} = \begin{bmatrix} 1027 \\ 0132 \end{bmatrix} \\
1585 &= \mathbf{PI}(7, 0, 7, 5, 1, 1) = L_{3910} = \begin{bmatrix} 1056 \\ 0115 \end{bmatrix} \\
1586 &= \mathbf{PI}(0, 1, 7, 5, 1, 1) = L_{3354} = \begin{bmatrix} 1505 \\ 0015 \end{bmatrix} \\
1587 &= \mathbf{PI}(0, 2, 7, 5, 1, 1) = L_{4522} = \begin{bmatrix} 1507 \\ 0015 \end{bmatrix} \\
1588 &= \mathbf{PI}(0, 3, 7, 5, 1, 1) = L_{1602} = \begin{bmatrix} 1502 \\ 0015 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1589 &= \mathbf{PI}(0, 4, 7, 5, 1, 1) = L_{2186} = \begin{bmatrix} 1503 \\ 0015 \end{bmatrix} \\
1590 &= \mathbf{PI}(0, 5, 7, 5, 1, 1) = L_{3938} = \begin{bmatrix} 1506 \\ 0015 \end{bmatrix} \\
1591 &= \mathbf{PI}(0, 6, 7, 5, 1, 1) = L_{2770} = \begin{bmatrix} 1504 \\ 0015 \end{bmatrix} \\
1592 &= \mathbf{PI}(0, 7, 7, 5, 1, 1) = L_{1018} = \begin{bmatrix} 1501 \\ 0015 \end{bmatrix} \\
1593 &= \mathbf{PI}(1, 1, 0, 6, 1, 1) = L_{3585} = \begin{bmatrix} 1016 \\ 0101 \end{bmatrix} \\
1594 &= \mathbf{PI}(6, 2, 0, 6, 1, 1) = L_{746} = \begin{bmatrix} 1021 \\ 0102 \end{bmatrix} \\
1595 &= \mathbf{PI}(4, 3, 0, 6, 1, 1) = L_{4331} = \begin{bmatrix} 1037 \\ 0103 \end{bmatrix} \\
1596 &= \mathbf{PI}(3, 4, 0, 6, 1, 1) = L_{1492} = \begin{bmatrix} 1042 \\ 0104 \end{bmatrix} \\
1597 &= \mathbf{PI}(7, 5, 0, 6, 1, 1) = L_{2741} = \begin{bmatrix} 1054 \\ 0105 \end{bmatrix} \\
1598 &= \mathbf{PI}(2, 6, 0, 6, 1, 1) = L_{2238} = \begin{bmatrix} 1063 \\ 0106 \end{bmatrix} \\
1599 &= \mathbf{PI}(5, 7, 0, 6, 1, 1) = L_{3487} = \begin{bmatrix} 1075 \\ 0107 \end{bmatrix} \\
1600 &= \mathbf{PI}(7, 1, 1, 6, 1, 1) = L_{2746} = \begin{bmatrix} 1054 \\ 0155 \end{bmatrix} \\
1601 &= \mathbf{PI}(5, 2, 1, 6, 1, 1) = L_{3494} = \begin{bmatrix} 1075 \\ 0177 \end{bmatrix} \\
1602 &= \mathbf{PI}(6, 3, 1, 6, 1, 1) = L_{748} = \begin{bmatrix} 1021 \\ 0122 \end{bmatrix} \\
1603 &= \mathbf{PI}(4, 4, 1, 6, 1, 1) = L_{4334} = \begin{bmatrix} 1037 \\ 0133 \end{bmatrix} \\
1604 &= \mathbf{PI}(2, 5, 1, 6, 1, 1) = L_{2244} = \begin{bmatrix} 1063 \\ 0166 \end{bmatrix} \\
1605 &= \mathbf{PI}(3, 6, 1, 6, 1, 1) = L_{1496} = \begin{bmatrix} 1042 \\ 0144 \end{bmatrix} \\
1606 &= \mathbf{PI}(1, 7, 1, 6, 1, 1) = L_{3586} = \begin{bmatrix} 1016 \\ 0111 \end{bmatrix} \\
1607 &= \mathbf{PI}(0, 0, 2, 6, 1, 1) = L_{508} = \begin{bmatrix} 1600 \\ 0016 \end{bmatrix} \\
1608 &= \mathbf{PI}(1, 0, 2, 6, 1, 1) = L_{3587} = \begin{bmatrix} 1016 \\ 0121 \end{bmatrix} \\
1609 &= \mathbf{PI}(2, 0, 2, 6, 1, 1) = L_{2239} = \begin{bmatrix} 1063 \\ 0116 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1610 &= \mathbf{PI}(3, 0, 2, 6, 1, 1) = L_{1497} = \begin{bmatrix} 1042 \\ 0154 \end{bmatrix} \\
1611 &= \mathbf{PI}(4, 0, 2, 6, 1, 1) = L_{4337} = \begin{bmatrix} 1037 \\ 0163 \end{bmatrix} \\
1612 &= \mathbf{PI}(5, 0, 2, 6, 1, 1) = L_{3490} = \begin{bmatrix} 1075 \\ 0137 \end{bmatrix} \\
1613 &= \mathbf{PI}(6, 0, 2, 6, 1, 1) = L_{750} = \begin{bmatrix} 1021 \\ 0142 \end{bmatrix} \\
1614 &= \mathbf{PI}(7, 0, 2, 6, 1, 1) = L_{2748} = \begin{bmatrix} 1054 \\ 0175 \end{bmatrix} \\
1615 &= \mathbf{PI}(0, 1, 2, 6, 1, 1) = L_{4012} = \begin{bmatrix} 1606 \\ 0016 \end{bmatrix} \\
1616 &= \mathbf{PI}(0, 2, 2, 6, 1, 1) = L_{1092} = \begin{bmatrix} 1601 \\ 0016 \end{bmatrix} \\
1617 &= \mathbf{PI}(0, 3, 2, 6, 1, 1) = L_{4596} = \begin{bmatrix} 1607 \\ 0016 \end{bmatrix} \\
1618 &= \mathbf{PI}(0, 4, 2, 6, 1, 1) = L_{1676} = \begin{bmatrix} 1602 \\ 0016 \end{bmatrix} \\
1619 &= \mathbf{PI}(0, 5, 2, 6, 1, 1) = L_{2844} = \begin{bmatrix} 1604 \\ 0016 \end{bmatrix} \\
1620 &= \mathbf{PI}(0, 6, 2, 6, 1, 1) = L_{2260} = \begin{bmatrix} 1603 \\ 0016 \end{bmatrix} \\
1621 &= \mathbf{PI}(0, 7, 2, 6, 1, 1) = L_{3428} = \begin{bmatrix} 1605 \\ 0016 \end{bmatrix} \\
1622 &= \mathbf{PI}(6, 1, 3, 6, 1, 1) = L_{752} = \begin{bmatrix} 1021 \\ 0162 \end{bmatrix} \\
1623 &= \mathbf{PI}(3, 2, 3, 6, 1, 1) = L_{1493} = \begin{bmatrix} 1042 \\ 0114 \end{bmatrix} \\
1624 &= \mathbf{PI}(2, 3, 3, 6, 1, 1) = L_{2245} = \begin{bmatrix} 1063 \\ 0176 \end{bmatrix} \\
1625 &= \mathbf{PI}(7, 4, 3, 6, 1, 1) = L_{2743} = \begin{bmatrix} 1054 \\ 0125 \end{bmatrix} \\
1626 &= \mathbf{PI}(5, 5, 3, 6, 1, 1) = L_{3491} = \begin{bmatrix} 1075 \\ 0147 \end{bmatrix} \\
1627 &= \mathbf{PI}(1, 6, 3, 6, 1, 1) = L_{3588} = \begin{bmatrix} 1016 \\ 0131 \end{bmatrix} \\
1628 &= \mathbf{PI}(4, 7, 3, 6, 1, 1) = L_{4336} = \begin{bmatrix} 1037 \\ 0153 \end{bmatrix} \\
1629 &= \mathbf{PI}(3, 1, 4, 6, 1, 1) = L_{1499} = \begin{bmatrix} 1042 \\ 0174 \end{bmatrix} \\
1630 &= \mathbf{PI}(7, 2, 4, 6, 1, 1) = L_{2744} = \begin{bmatrix} 1054 \\ 0135 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1631 &= \mathbf{PI}(1, 3, 4, 6, 1, 1) = L_{3589} = \begin{bmatrix} 1016 \\ 0141 \end{bmatrix} \\
1632 &= \mathbf{PI}(5, 4, 4, 6, 1, 1) = L_{3493} = \begin{bmatrix} 1075 \\ 0167 \end{bmatrix} \\
1633 &= \mathbf{PI}(4, 5, 4, 6, 1, 1) = L_{4332} = \begin{bmatrix} 1037 \\ 0113 \end{bmatrix} \\
1634 &= \mathbf{PI}(6, 6, 4, 6, 1, 1) = L_{751} = \begin{bmatrix} 1021 \\ 0152 \end{bmatrix} \\
1635 &= \mathbf{PI}(2, 7, 4, 6, 1, 1) = L_{2240} = \begin{bmatrix} 1063 \\ 0126 \end{bmatrix} \\
1636 &= \mathbf{PI}(5, 1, 5, 6, 1, 1) = L_{3488} = \begin{bmatrix} 1075 \\ 0117 \end{bmatrix} \\
1637 &= \mathbf{PI}(4, 2, 5, 6, 1, 1) = L_{4333} = \begin{bmatrix} 1037 \\ 0123 \end{bmatrix} \\
1638 &= \mathbf{PI}(3, 3, 5, 6, 1, 1) = L_{1495} = \begin{bmatrix} 1042 \\ 0134 \end{bmatrix} \\
1639 &= \mathbf{PI}(2, 4, 5, 6, 1, 1) = L_{2242} = \begin{bmatrix} 1063 \\ 0146 \end{bmatrix} \\
1640 &= \mathbf{PI}(1, 5, 5, 6, 1, 1) = L_{3590} = \begin{bmatrix} 1016 \\ 0151 \end{bmatrix} \\
1641 &= \mathbf{PI}(7, 6, 5, 6, 1, 1) = L_{2747} = \begin{bmatrix} 1054 \\ 0165 \end{bmatrix} \\
1642 &= \mathbf{PI}(6, 7, 5, 6, 1, 1) = L_{753} = \begin{bmatrix} 1021 \\ 0172 \end{bmatrix} \\
1643 &= \mathbf{PI}(2, 1, 6, 6, 1, 1) = L_{2241} = \begin{bmatrix} 1063 \\ 0136 \end{bmatrix} \\
1644 &= \mathbf{PI}(1, 2, 6, 6, 1, 1) = L_{3591} = \begin{bmatrix} 1016 \\ 0161 \end{bmatrix} \\
1645 &= \mathbf{PI}(5, 3, 6, 6, 1, 1) = L_{3492} = \begin{bmatrix} 1075 \\ 0157 \end{bmatrix} \\
1646 &= \mathbf{PI}(6, 4, 6, 6, 1, 1) = L_{747} = \begin{bmatrix} 1021 \\ 0112 \end{bmatrix} \\
1647 &= \mathbf{PI}(3, 5, 6, 6, 1, 1) = L_{1494} = \begin{bmatrix} 1042 \\ 0124 \end{bmatrix} \\
1648 &= \mathbf{PI}(4, 6, 6, 6, 1, 1) = L_{4338} = \begin{bmatrix} 1037 \\ 0173 \end{bmatrix} \\
1649 &= \mathbf{PI}(7, 7, 6, 6, 1, 1) = L_{2745} = \begin{bmatrix} 1054 \\ 0145 \end{bmatrix} \\
1650 &= \mathbf{PI}(4, 1, 7, 6, 1, 1) = L_{4335} = \begin{bmatrix} 1037 \\ 0143 \end{bmatrix} \\
1651 &= \mathbf{PI}(2, 2, 7, 6, 1, 1) = L_{2243} = \begin{bmatrix} 1063 \\ 0156 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1652 &= \mathbf{PI}(7, 3, 7, 6, 1, 1) = L_{2742} = \begin{bmatrix} 1054 \\ 0115 \end{bmatrix} \\
1653 &= \mathbf{PI}(1, 4, 7, 6, 1, 1) = L_{3592} = \begin{bmatrix} 1016 \\ 0171 \end{bmatrix} \\
1654 &= \mathbf{PI}(6, 5, 7, 6, 1, 1) = L_{749} = \begin{bmatrix} 1021 \\ 0132 \end{bmatrix} \\
1655 &= \mathbf{PI}(5, 6, 7, 6, 1, 1) = L_{3489} = \begin{bmatrix} 1075 \\ 0127 \end{bmatrix} \\
1656 &= \mathbf{PI}(3, 7, 7, 6, 1, 1) = L_{1498} = \begin{bmatrix} 1042 \\ 0164 \end{bmatrix} \\
1657 &= \mathbf{PI}(1, 1, 0, 7, 1, 1) = L_{4169} = \begin{bmatrix} 1017 \\ 0101 \end{bmatrix} \\
1658 &= \mathbf{PI}(6, 2, 0, 7, 1, 1) = L_{1914} = \begin{bmatrix} 1023 \\ 0102 \end{bmatrix} \\
1659 &= \mathbf{PI}(4, 3, 0, 7, 1, 1) = L_{2579} = \begin{bmatrix} 1034 \\ 0103 \end{bmatrix} \\
1660 &= \mathbf{PI}(3, 4, 0, 7, 1, 1) = L_{3828} = \begin{bmatrix} 1046 \\ 0104 \end{bmatrix} \\
1661 &= \mathbf{PI}(7, 5, 0, 7, 1, 1) = L_{989} = \begin{bmatrix} 1051 \\ 0105 \end{bmatrix} \\
1662 &= \mathbf{PI}(2, 6, 0, 7, 1, 1) = L_{3406} = \begin{bmatrix} 1065 \\ 0106 \end{bmatrix} \\
1663 &= \mathbf{PI}(5, 7, 0, 7, 1, 1) = L_{1735} = \begin{bmatrix} 1072 \\ 0107 \end{bmatrix} \\
1664 &= \mathbf{PI}(6, 1, 1, 7, 1, 1) = L_{1916} = \begin{bmatrix} 1023 \\ 0122 \end{bmatrix} \\
1665 &= \mathbf{PI}(3, 2, 1, 7, 1, 1) = L_{3832} = \begin{bmatrix} 1046 \\ 0144 \end{bmatrix} \\
1666 &= \mathbf{PI}(2, 3, 1, 7, 1, 1) = L_{3412} = \begin{bmatrix} 1065 \\ 0166 \end{bmatrix} \\
1667 &= \mathbf{PI}(7, 4, 1, 7, 1, 1) = L_{994} = \begin{bmatrix} 1051 \\ 0155 \end{bmatrix} \\
1668 &= \mathbf{PI}(5, 5, 1, 7, 1, 1) = L_{1742} = \begin{bmatrix} 1072 \\ 0177 \end{bmatrix} \\
1669 &= \mathbf{PI}(1, 6, 1, 7, 1, 1) = L_{4170} = \begin{bmatrix} 1017 \\ 0111 \end{bmatrix} \\
1670 &= \mathbf{PI}(4, 7, 1, 7, 1, 1) = L_{2582} = \begin{bmatrix} 1034 \\ 0133 \end{bmatrix} \\
1671 &= \mathbf{PI}(2, 1, 2, 7, 1, 1) = L_{3407} = \begin{bmatrix} 1065 \\ 0116 \end{bmatrix} \\
1672 &= \mathbf{PI}(1, 2, 2, 7, 1, 1) = L_{4171} = \begin{bmatrix} 1017 \\ 0121 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1673 &= \mathbf{PI}(5, 3, 2, 7, 1, 1) = L_{1738} = \begin{bmatrix} 1072 \\ 0137 \end{bmatrix} \\
1674 &= \mathbf{PI}(6, 4, 2, 7, 1, 1) = L_{1918} = \begin{bmatrix} 1023 \\ 0142 \end{bmatrix} \\
1675 &= \mathbf{PI}(3, 5, 2, 7, 1, 1) = L_{3833} = \begin{bmatrix} 1046 \\ 0154 \end{bmatrix} \\
1676 &= \mathbf{PI}(4, 6, 2, 7, 1, 1) = L_{2585} = \begin{bmatrix} 1034 \\ 0163 \end{bmatrix} \\
1677 &= \mathbf{PI}(7, 7, 2, 7, 1, 1) = L_{996} = \begin{bmatrix} 1051 \\ 0175 \end{bmatrix} \\
1678 &= \mathbf{PI}(5, 1, 3, 7, 1, 1) = L_{1739} = \begin{bmatrix} 1072 \\ 0147 \end{bmatrix} \\
1679 &= \mathbf{PI}(4, 2, 3, 7, 1, 1) = L_{2584} = \begin{bmatrix} 1034 \\ 0153 \end{bmatrix} \\
1680 &= \mathbf{PI}(3, 3, 3, 7, 1, 1) = L_{3829} = \begin{bmatrix} 1046 \\ 0114 \end{bmatrix} \\
1681 &= \mathbf{PI}(2, 4, 3, 7, 1, 1) = L_{3413} = \begin{bmatrix} 1065 \\ 0176 \end{bmatrix} \\
1682 &= \mathbf{PI}(1, 5, 3, 7, 1, 1) = L_{4172} = \begin{bmatrix} 1017 \\ 0131 \end{bmatrix} \\
1683 &= \mathbf{PI}(7, 6, 3, 7, 1, 1) = L_{991} = \begin{bmatrix} 1051 \\ 0125 \end{bmatrix} \\
1684 &= \mathbf{PI}(6, 7, 3, 7, 1, 1) = L_{1920} = \begin{bmatrix} 1023 \\ 0162 \end{bmatrix} \\
1685 &= \mathbf{PI}(7, 1, 4, 7, 1, 1) = L_{992} = \begin{bmatrix} 1051 \\ 0135 \end{bmatrix} \\
1686 &= \mathbf{PI}(5, 2, 4, 7, 1, 1) = L_{1741} = \begin{bmatrix} 1072 \\ 0167 \end{bmatrix} \\
1687 &= \mathbf{PI}(6, 3, 4, 7, 1, 1) = L_{1919} = \begin{bmatrix} 1023 \\ 0152 \end{bmatrix} \\
1688 &= \mathbf{PI}(4, 4, 4, 7, 1, 1) = L_{2580} = \begin{bmatrix} 1034 \\ 0113 \end{bmatrix} \\
1689 &= \mathbf{PI}(2, 5, 4, 7, 1, 1) = L_{3408} = \begin{bmatrix} 1065 \\ 0126 \end{bmatrix} \\
1690 &= \mathbf{PI}(3, 6, 4, 7, 1, 1) = L_{3835} = \begin{bmatrix} 1046 \\ 0174 \end{bmatrix} \\
1691 &= \mathbf{PI}(1, 7, 4, 7, 1, 1) = L_{4173} = \begin{bmatrix} 1017 \\ 0141 \end{bmatrix} \\
1692 &= \mathbf{PI}(0, 0, 5, 7, 1, 1) = L_{582} = \begin{bmatrix} 1700 \\ 0017 \end{bmatrix} \\
1693 &= \mathbf{PI}(1, 0, 5, 7, 1, 1) = L_{4174} = \begin{bmatrix} 1017 \\ 0151 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
1694 &= \mathbf{PI}(2, 0, 5, 7, 1, 1) = L_{3410} = \begin{bmatrix} 1065 \\ 0146 \end{bmatrix} \\
1695 &= \mathbf{PI}(3, 0, 5, 7, 1, 1) = L_{3831} = \begin{bmatrix} 1046 \\ 0134 \end{bmatrix} \\
1696 &= \mathbf{PI}(4, 0, 5, 7, 1, 1) = L_{2581} = \begin{bmatrix} 1034 \\ 0123 \end{bmatrix} \\
1697 &= \mathbf{PI}(5, 0, 5, 7, 1, 1) = L_{1736} = \begin{bmatrix} 1072 \\ 0117 \end{bmatrix} \\
1698 &= \mathbf{PI}(6, 0, 5, 7, 1, 1) = L_{1921} = \begin{bmatrix} 1023 \\ 0172 \end{bmatrix} \\
1699 &= \mathbf{PI}(7, 0, 5, 7, 1, 1) = L_{995} = \begin{bmatrix} 1051 \\ 0165 \end{bmatrix} \\
1700 &= \mathbf{PI}(0, 1, 5, 7, 1, 1) = L_{4670} = \begin{bmatrix} 1707 \\ 0017 \end{bmatrix} \\
1701 &= \mathbf{PI}(0, 2, 5, 7, 1, 1) = L_{2334} = \begin{bmatrix} 1703 \\ 0017 \end{bmatrix} \\
1702 &= \mathbf{PI}(0, 3, 5, 7, 1, 1) = L_{2918} = \begin{bmatrix} 1704 \\ 0017 \end{bmatrix} \\
1703 &= \mathbf{PI}(0, 4, 5, 7, 1, 1) = L_{4086} = \begin{bmatrix} 1706 \\ 0017 \end{bmatrix} \\
1704 &= \mathbf{PI}(0, 5, 5, 7, 1, 1) = L_{1166} = \begin{bmatrix} 1701 \\ 0017 \end{bmatrix} \\
1705 &= \mathbf{PI}(0, 6, 5, 7, 1, 1) = L_{3502} = \begin{bmatrix} 1705 \\ 0017 \end{bmatrix} \\
1706 &= \mathbf{PI}(0, 7, 5, 7, 1, 1) = L_{1750} = \begin{bmatrix} 1702 \\ 0017 \end{bmatrix} \\
1707 &= \mathbf{PI}(4, 1, 6, 7, 1, 1) = L_{2586} = \begin{bmatrix} 1034 \\ 0173 \end{bmatrix} \\
1708 &= \mathbf{PI}(2, 2, 6, 7, 1, 1) = L_{3409} = \begin{bmatrix} 1065 \\ 0136 \end{bmatrix} \\
1709 &= \mathbf{PI}(7, 3, 6, 7, 1, 1) = L_{993} = \begin{bmatrix} 1051 \\ 0145 \end{bmatrix} \\
1710 &= \mathbf{PI}(1, 4, 6, 7, 1, 1) = L_{4175} = \begin{bmatrix} 1017 \\ 0161 \end{bmatrix} \\
1711 &= \mathbf{PI}(6, 5, 6, 7, 1, 1) = L_{1915} = \begin{bmatrix} 1023 \\ 0112 \end{bmatrix} \\
1712 &= \mathbf{PI}(5, 6, 6, 7, 1, 1) = L_{1740} = \begin{bmatrix} 1072 \\ 0157 \end{bmatrix} \\
1713 &= \mathbf{PI}(3, 7, 6, 7, 1, 1) = L_{3830} = \begin{bmatrix} 1046 \\ 0124 \end{bmatrix} \\
1714 &= \mathbf{PI}(3, 1, 7, 7, 1, 1) = L_{3834} = \begin{bmatrix} 1046 \\ 0164 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1715 &= \mathbf{PI}(7, 2, 7, 7, 1, 1) = L_{990} = \begin{bmatrix} 1051 \\ 0115 \end{bmatrix} \\
1716 &= \mathbf{PI}(1, 3, 7, 7, 1, 1) = L_{4176} = \begin{bmatrix} 1017 \\ 0171 \end{bmatrix} \\
1717 &= \mathbf{PI}(5, 4, 7, 7, 1, 1) = L_{1737} = \begin{bmatrix} 1072 \\ 0127 \end{bmatrix} \\
1718 &= \mathbf{PI}(4, 5, 7, 7, 1, 1) = L_{2583} = \begin{bmatrix} 1034 \\ 0143 \end{bmatrix} \\
1719 &= \mathbf{PI}(6, 6, 7, 7, 1, 1) = L_{1917} = \begin{bmatrix} 1023 \\ 0132 \end{bmatrix} \\
1720 &= \mathbf{PI}(2, 7, 7, 7, 1, 1) = L_{3411} = \begin{bmatrix} 1065 \\ 0156 \end{bmatrix} \\
1721 &= \mathbf{PI}(2, 1, 0, 0, 2, 1) = L_{446} = \begin{bmatrix} 1060 \\ 0101 \end{bmatrix} \\
1722 &= \mathbf{PI}(1, 2, 0, 0, 2, 1) = L_{89} = \begin{bmatrix} 1010 \\ 0102 \end{bmatrix} \\
1723 &= \mathbf{PI}(5, 3, 0, 0, 2, 1) = L_{535} = \begin{bmatrix} 1070 \\ 0103 \end{bmatrix} \\
1724 &= \mathbf{PI}(6, 4, 0, 0, 2, 1) = L_{178} = \begin{bmatrix} 1020 \\ 0104 \end{bmatrix} \\
1725 &= \mathbf{PI}(3, 5, 0, 0, 2, 1) = L_{332} = \begin{bmatrix} 1040 \\ 0105 \end{bmatrix} \\
1726 &= \mathbf{PI}(4, 6, 0, 0, 2, 1) = L_{267} = \begin{bmatrix} 1030 \\ 0106 \end{bmatrix} \\
1727 &= \mathbf{PI}(7, 7, 0, 0, 2, 1) = L_{421} = \begin{bmatrix} 1050 \\ 0107 \end{bmatrix} \\
1728 &= \mathbf{PI}(2, 1, 1, 0, 2, 1) = L_{452} = \begin{bmatrix} 1060 \\ 0161 \end{bmatrix} \\
1729 &= \mathbf{PI}(1, 2, 1, 0, 2, 1) = L_{90} = \begin{bmatrix} 1010 \\ 0112 \end{bmatrix} \\
1730 &= \mathbf{PI}(5, 3, 1, 0, 2, 1) = L_{542} = \begin{bmatrix} 1070 \\ 0173 \end{bmatrix} \\
1731 &= \mathbf{PI}(6, 4, 1, 0, 2, 1) = L_{180} = \begin{bmatrix} 1020 \\ 0124 \end{bmatrix} \\
1732 &= \mathbf{PI}(3, 5, 1, 0, 2, 1) = L_{336} = \begin{bmatrix} 1040 \\ 0145 \end{bmatrix} \\
1733 &= \mathbf{PI}(4, 6, 1, 0, 2, 1) = L_{270} = \begin{bmatrix} 1030 \\ 0136 \end{bmatrix} \\
1734 &= \mathbf{PI}(7, 7, 1, 0, 2, 1) = L_{426} = \begin{bmatrix} 1050 \\ 0157 \end{bmatrix} \\
1735 &= \mathbf{PI}(2, 1, 2, 0, 2, 1) = L_{447} = \begin{bmatrix} 1060 \\ 0111 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1736 &= \mathbf{PI}(1, 2, 2, 0, 2, 1) = L_{91} = \begin{bmatrix} 1010 \\ 0122 \end{bmatrix} \\
1737 &= \mathbf{PI}(5, 3, 2, 0, 2, 1) = L_{538} = \begin{bmatrix} 1070 \\ 0133 \end{bmatrix} \\
1738 &= \mathbf{PI}(6, 4, 2, 0, 2, 1) = L_{182} = \begin{bmatrix} 1020 \\ 0144 \end{bmatrix} \\
1739 &= \mathbf{PI}(3, 5, 2, 0, 2, 1) = L_{337} = \begin{bmatrix} 1040 \\ 0155 \end{bmatrix} \\
1740 &= \mathbf{PI}(4, 6, 2, 0, 2, 1) = L_{273} = \begin{bmatrix} 1030 \\ 0166 \end{bmatrix} \\
1741 &= \mathbf{PI}(7, 7, 2, 0, 2, 1) = L_{428} = \begin{bmatrix} 1050 \\ 0177 \end{bmatrix} \\
1742 &= \mathbf{PI}(2, 1, 3, 0, 2, 1) = L_{453} = \begin{bmatrix} 1060 \\ 0171 \end{bmatrix} \\
1743 &= \mathbf{PI}(1, 2, 3, 0, 2, 1) = L_{92} = \begin{bmatrix} 1010 \\ 0132 \end{bmatrix} \\
1744 &= \mathbf{PI}(5, 3, 3, 0, 2, 1) = L_{539} = \begin{bmatrix} 1070 \\ 0143 \end{bmatrix} \\
1745 &= \mathbf{PI}(6, 4, 3, 0, 2, 1) = L_{184} = \begin{bmatrix} 1020 \\ 0164 \end{bmatrix} \\
1746 &= \mathbf{PI}(3, 5, 3, 0, 2, 1) = L_{333} = \begin{bmatrix} 1040 \\ 0115 \end{bmatrix} \\
1747 &= \mathbf{PI}(4, 6, 3, 0, 2, 1) = L_{272} = \begin{bmatrix} 1030 \\ 0156 \end{bmatrix} \\
1748 &= \mathbf{PI}(7, 7, 3, 0, 2, 1) = L_{423} = \begin{bmatrix} 1050 \\ 0127 \end{bmatrix} \\
1749 &= \mathbf{PI}(2, 1, 4, 0, 2, 1) = L_{448} = \begin{bmatrix} 1060 \\ 0121 \end{bmatrix} \\
1750 &= \mathbf{PI}(1, 2, 4, 0, 2, 1) = L_{93} = \begin{bmatrix} 1010 \\ 0142 \end{bmatrix} \\
1751 &= \mathbf{PI}(5, 3, 4, 0, 2, 1) = L_{541} = \begin{bmatrix} 1070 \\ 0163 \end{bmatrix} \\
1752 &= \mathbf{PI}(6, 4, 4, 0, 2, 1) = L_{183} = \begin{bmatrix} 1020 \\ 0154 \end{bmatrix} \\
1753 &= \mathbf{PI}(3, 5, 4, 0, 2, 1) = L_{339} = \begin{bmatrix} 1040 \\ 0175 \end{bmatrix} \\
1754 &= \mathbf{PI}(4, 6, 4, 0, 2, 1) = L_{268} = \begin{bmatrix} 1030 \\ 0116 \end{bmatrix} \\
1755 &= \mathbf{PI}(7, 7, 4, 0, 2, 1) = L_{424} = \begin{bmatrix} 1050 \\ 0137 \end{bmatrix} \\
1756 &= \mathbf{PI}(2, 1, 5, 0, 2, 1) = L_{450} = \begin{bmatrix} 1060 \\ 0141 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1757 &= \mathbf{PI}(1, 2, 5, 0, 2, 1) = L_{94} = \begin{bmatrix} 1010 \\ 0152 \end{bmatrix} \\
1758 &= \mathbf{PI}(5, 3, 5, 0, 2, 1) = L_{536} = \begin{bmatrix} 1070 \\ 0113 \end{bmatrix} \\
1759 &= \mathbf{PI}(6, 4, 5, 0, 2, 1) = L_{185} = \begin{bmatrix} 1020 \\ 0174 \end{bmatrix} \\
1760 &= \mathbf{PI}(3, 5, 5, 0, 2, 1) = L_{335} = \begin{bmatrix} 1040 \\ 0135 \end{bmatrix} \\
1761 &= \mathbf{PI}(4, 6, 5, 0, 2, 1) = L_{269} = \begin{bmatrix} 1030 \\ 0126 \end{bmatrix} \\
1762 &= \mathbf{PI}(7, 7, 5, 0, 2, 1) = L_{427} = \begin{bmatrix} 1050 \\ 0167 \end{bmatrix} \\
1763 &= \mathbf{PI}(2, 1, 6, 0, 2, 1) = L_{449} = \begin{bmatrix} 1060 \\ 0131 \end{bmatrix} \\
1764 &= \mathbf{PI}(1, 2, 6, 0, 2, 1) = L_{95} = \begin{bmatrix} 1010 \\ 0162 \end{bmatrix} \\
1765 &= \mathbf{PI}(5, 3, 6, 0, 2, 1) = L_{540} = \begin{bmatrix} 1070 \\ 0153 \end{bmatrix} \\
1766 &= \mathbf{PI}(6, 4, 6, 0, 2, 1) = L_{179} = \begin{bmatrix} 1020 \\ 0114 \end{bmatrix} \\
1767 &= \mathbf{PI}(3, 5, 6, 0, 2, 1) = L_{334} = \begin{bmatrix} 1040 \\ 0125 \end{bmatrix} \\
1768 &= \mathbf{PI}(4, 6, 6, 0, 2, 1) = L_{274} = \begin{bmatrix} 1030 \\ 0176 \end{bmatrix} \\
1769 &= \mathbf{PI}(7, 7, 6, 0, 2, 1) = L_{425} = \begin{bmatrix} 1050 \\ 0147 \end{bmatrix} \\
1770 &= \mathbf{PI}(2, 1, 7, 0, 2, 1) = L_{451} = \begin{bmatrix} 1060 \\ 0151 \end{bmatrix} \\
1771 &= \mathbf{PI}(1, 2, 7, 0, 2, 1) = L_{96} = \begin{bmatrix} 1010 \\ 0172 \end{bmatrix} \\
1772 &= \mathbf{PI}(5, 3, 7, 0, 2, 1) = L_{537} = \begin{bmatrix} 1070 \\ 0123 \end{bmatrix} \\
1773 &= \mathbf{PI}(6, 4, 7, 0, 2, 1) = L_{181} = \begin{bmatrix} 1020 \\ 0134 \end{bmatrix} \\
1774 &= \mathbf{PI}(3, 5, 7, 0, 2, 1) = L_{338} = \begin{bmatrix} 1040 \\ 0165 \end{bmatrix} \\
1775 &= \mathbf{PI}(4, 6, 7, 0, 2, 1) = L_{271} = \begin{bmatrix} 1030 \\ 0146 \end{bmatrix} \\
1776 &= \mathbf{PI}(7, 7, 7, 0, 2, 1) = L_{422} = \begin{bmatrix} 1050 \\ 0117 \end{bmatrix} \\
1777 &= \mathbf{PI}(2, 1, 0, 1, 2, 1) = L_{3950} = \begin{bmatrix} 1066 \\ 0101 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1778 &= \mathbf{PI}(1, 2, 0, 1, 2, 1) = L_{673} = \begin{bmatrix} 1011 \\ 0102 \end{bmatrix} \\
1779 &= \mathbf{PI}(5, 3, 0, 1, 2, 1) = L_{4623} = \begin{bmatrix} 1077 \\ 0103 \end{bmatrix} \\
1780 &= \mathbf{PI}(6, 4, 0, 1, 2, 1) = L_{1346} = \begin{bmatrix} 1022 \\ 0104 \end{bmatrix} \\
1781 &= \mathbf{PI}(3, 5, 0, 1, 2, 1) = L_{2668} = \begin{bmatrix} 1044 \\ 0105 \end{bmatrix} \\
1782 &= \mathbf{PI}(4, 6, 0, 1, 2, 1) = L_{2019} = \begin{bmatrix} 1033 \\ 0106 \end{bmatrix} \\
1783 &= \mathbf{PI}(7, 7, 0, 1, 2, 1) = L_{3341} = \begin{bmatrix} 1055 \\ 0107 \end{bmatrix} \\
1784 &= \mathbf{PI}(3, 1, 1, 1, 2, 1) = L_{2672} = \begin{bmatrix} 1044 \\ 0145 \end{bmatrix} \\
1785 &= \mathbf{PI}(7, 2, 1, 1, 2, 1) = L_{3346} = \begin{bmatrix} 1055 \\ 0157 \end{bmatrix} \\
1786 &= \mathbf{PI}(1, 3, 1, 1, 2, 1) = L_{674} = \begin{bmatrix} 1011 \\ 0112 \end{bmatrix} \\
1787 &= \mathbf{PI}(5, 4, 1, 1, 2, 1) = L_{4630} = \begin{bmatrix} 1077 \\ 0173 \end{bmatrix} \\
1788 &= \mathbf{PI}(4, 5, 1, 1, 2, 1) = L_{2022} = \begin{bmatrix} 1033 \\ 0136 \end{bmatrix} \\
1789 &= \mathbf{PI}(6, 6, 1, 1, 2, 1) = L_{1348} = \begin{bmatrix} 1022 \\ 0124 \end{bmatrix} \\
1790 &= \mathbf{PI}(2, 7, 1, 1, 2, 1) = L_{3956} = \begin{bmatrix} 1066 \\ 0161 \end{bmatrix} \\
1791 &= \mathbf{PI}(0, 0, 2, 1, 2, 1) = L_{503} = \begin{bmatrix} 1600 \\ 0011 \end{bmatrix} \\
1792 &= \mathbf{PI}(1, 0, 2, 1, 2, 1) = L_{675} = \begin{bmatrix} 1011 \\ 0122 \end{bmatrix} \\
1793 &= \mathbf{PI}(2, 0, 2, 1, 2, 1) = L_{3951} = \begin{bmatrix} 1066 \\ 0111 \end{bmatrix} \\
1794 &= \mathbf{PI}(3, 0, 2, 1, 2, 1) = L_{2673} = \begin{bmatrix} 1044 \\ 0155 \end{bmatrix} \\
1795 &= \mathbf{PI}(4, 0, 2, 1, 2, 1) = L_{2025} = \begin{bmatrix} 1033 \\ 0166 \end{bmatrix} \\
1796 &= \mathbf{PI}(5, 0, 2, 1, 2, 1) = L_{4626} = \begin{bmatrix} 1077 \\ 0133 \end{bmatrix} \\
1797 &= \mathbf{PI}(6, 0, 2, 1, 2, 1) = L_{1350} = \begin{bmatrix} 1022 \\ 0144 \end{bmatrix} \\
1798 &= \mathbf{PI}(7, 0, 2, 1, 2, 1) = L_{3348} = \begin{bmatrix} 1055 \\ 0177 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1799 &= \mathbf{PI}(0, 1, 2, 1, 2, 1) = L_{4007} = \begin{bmatrix} 1606 \\ 0011 \end{bmatrix} \\
1800 &= \mathbf{PI}(0, 2, 2, 1, 2, 1) = L_{1087} = \begin{bmatrix} 1601 \\ 0011 \end{bmatrix} \\
1801 &= \mathbf{PI}(0, 3, 2, 1, 2, 1) = L_{4591} = \begin{bmatrix} 1607 \\ 0011 \end{bmatrix} \\
1802 &= \mathbf{PI}(0, 4, 2, 1, 2, 1) = L_{1671} = \begin{bmatrix} 1602 \\ 0011 \end{bmatrix} \\
1803 &= \mathbf{PI}(0, 5, 2, 1, 2, 1) = L_{2839} = \begin{bmatrix} 1604 \\ 0011 \end{bmatrix} \\
1804 &= \mathbf{PI}(0, 6, 2, 1, 2, 1) = L_{2255} = \begin{bmatrix} 1603 \\ 0011 \end{bmatrix} \\
1805 &= \mathbf{PI}(0, 7, 2, 1, 2, 1) = L_{3423} = \begin{bmatrix} 1605 \\ 0011 \end{bmatrix} \\
1806 &= \mathbf{PI}(1, 1, 3, 1, 2, 1) = L_{676} = \begin{bmatrix} 1011 \\ 0132 \end{bmatrix} \\
1807 &= \mathbf{PI}(6, 2, 3, 1, 2, 1) = L_{1352} = \begin{bmatrix} 1022 \\ 0164 \end{bmatrix} \\
1808 &= \mathbf{PI}(4, 3, 3, 1, 2, 1) = L_{2024} = \begin{bmatrix} 1033 \\ 0156 \end{bmatrix} \\
1809 &= \mathbf{PI}(3, 4, 3, 1, 2, 1) = L_{2669} = \begin{bmatrix} 1044 \\ 0115 \end{bmatrix} \\
1810 &= \mathbf{PI}(7, 5, 3, 1, 2, 1) = L_{3343} = \begin{bmatrix} 1055 \\ 0127 \end{bmatrix} \\
1811 &= \mathbf{PI}(2, 6, 3, 1, 2, 1) = L_{3957} = \begin{bmatrix} 1066 \\ 0171 \end{bmatrix} \\
1812 &= \mathbf{PI}(5, 7, 3, 1, 2, 1) = L_{4627} = \begin{bmatrix} 1077 \\ 0143 \end{bmatrix} \\
1813 &= \mathbf{PI}(6, 1, 4, 1, 2, 1) = L_{1351} = \begin{bmatrix} 1022 \\ 0154 \end{bmatrix} \\
1814 &= \mathbf{PI}(3, 2, 4, 1, 2, 1) = L_{2675} = \begin{bmatrix} 1044 \\ 0175 \end{bmatrix} \\
1815 &= \mathbf{PI}(2, 3, 4, 1, 2, 1) = L_{3952} = \begin{bmatrix} 1066 \\ 0121 \end{bmatrix} \\
1816 &= \mathbf{PI}(7, 4, 4, 1, 2, 1) = L_{3344} = \begin{bmatrix} 1055 \\ 0137 \end{bmatrix} \\
1817 &= \mathbf{PI}(5, 5, 4, 1, 2, 1) = L_{4629} = \begin{bmatrix} 1077 \\ 0163 \end{bmatrix} \\
1818 &= \mathbf{PI}(1, 6, 4, 1, 2, 1) = L_{677} = \begin{bmatrix} 1011 \\ 0142 \end{bmatrix} \\
1819 &= \mathbf{PI}(4, 7, 4, 1, 2, 1) = L_{2020} = \begin{bmatrix} 1033 \\ 0116 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1820 &= \mathbf{PI}(7, 1, 5, 1, 2, 1) = L_{3347} = \begin{bmatrix} 1055 \\ 0167 \end{bmatrix} \\
1821 &= \mathbf{PI}(5, 2, 5, 1, 2, 1) = L_{4624} = \begin{bmatrix} 1077 \\ 0113 \end{bmatrix} \\
1822 &= \mathbf{PI}(6, 3, 5, 1, 2, 1) = L_{1353} = \begin{bmatrix} 1022 \\ 0174 \end{bmatrix} \\
1823 &= \mathbf{PI}(4, 4, 5, 1, 2, 1) = L_{2021} = \begin{bmatrix} 1033 \\ 0126 \end{bmatrix} \\
1824 &= \mathbf{PI}(2, 5, 5, 1, 2, 1) = L_{3954} = \begin{bmatrix} 1066 \\ 0141 \end{bmatrix} \\
1825 &= \mathbf{PI}(3, 6, 5, 1, 2, 1) = L_{2671} = \begin{bmatrix} 1044 \\ 0135 \end{bmatrix} \\
1826 &= \mathbf{PI}(1, 7, 5, 1, 2, 1) = L_{678} = \begin{bmatrix} 1011 \\ 0152 \end{bmatrix} \\
1827 &= \mathbf{PI}(4, 1, 6, 1, 2, 1) = L_{2026} = \begin{bmatrix} 1033 \\ 0176 \end{bmatrix} \\
1828 &= \mathbf{PI}(2, 2, 6, 1, 2, 1) = L_{3953} = \begin{bmatrix} 1066 \\ 0131 \end{bmatrix} \\
1829 &= \mathbf{PI}(7, 3, 6, 1, 2, 1) = L_{3345} = \begin{bmatrix} 1055 \\ 0147 \end{bmatrix} \\
1830 &= \mathbf{PI}(1, 4, 6, 1, 2, 1) = L_{679} = \begin{bmatrix} 1011 \\ 0162 \end{bmatrix} \\
1831 &= \mathbf{PI}(6, 5, 6, 1, 2, 1) = L_{1347} = \begin{bmatrix} 1022 \\ 0114 \end{bmatrix} \\
1832 &= \mathbf{PI}(5, 6, 6, 1, 2, 1) = L_{4628} = \begin{bmatrix} 1077 \\ 0153 \end{bmatrix} \\
1833 &= \mathbf{PI}(3, 7, 6, 1, 2, 1) = L_{2670} = \begin{bmatrix} 1044 \\ 0125 \end{bmatrix} \\
1834 &= \mathbf{PI}(5, 1, 7, 1, 2, 1) = L_{4625} = \begin{bmatrix} 1077 \\ 0123 \end{bmatrix} \\
1835 &= \mathbf{PI}(4, 2, 7, 1, 2, 1) = L_{2023} = \begin{bmatrix} 1033 \\ 0146 \end{bmatrix} \\
1836 &= \mathbf{PI}(3, 3, 7, 1, 2, 1) = L_{2674} = \begin{bmatrix} 1044 \\ 0165 \end{bmatrix} \\
1837 &= \mathbf{PI}(2, 4, 7, 1, 2, 1) = L_{3955} = \begin{bmatrix} 1066 \\ 0151 \end{bmatrix} \\
1838 &= \mathbf{PI}(1, 5, 7, 1, 2, 1) = L_{680} = \begin{bmatrix} 1011 \\ 0172 \end{bmatrix} \\
1839 &= \mathbf{PI}(7, 6, 7, 1, 2, 1) = L_{3342} = \begin{bmatrix} 1055 \\ 0117 \end{bmatrix} \\
1840 &= \mathbf{PI}(6, 7, 7, 1, 2, 1) = L_{1349} = \begin{bmatrix} 1022 \\ 0134 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1841 &= \mathbf{PI}(2, 1, 0, 2, 2, 1) = L_{1030} = \begin{bmatrix} 1061 \\ 0101 \end{bmatrix} \\
1842 &= \mathbf{PI}(1, 2, 0, 2, 2, 1) = L_{1257} = \begin{bmatrix} 1012 \\ 0102 \end{bmatrix} \\
1843 &= \mathbf{PI}(5, 3, 0, 2, 2, 1) = L_{2287} = \begin{bmatrix} 1073 \\ 0103 \end{bmatrix} \\
1844 &= \mathbf{PI}(6, 4, 0, 2, 2, 1) = L_{2514} = \begin{bmatrix} 1024 \\ 0104 \end{bmatrix} \\
1845 &= \mathbf{PI}(3, 5, 0, 2, 2, 1) = L_{3252} = \begin{bmatrix} 1045 \\ 0105 \end{bmatrix} \\
1846 &= \mathbf{PI}(4, 6, 0, 2, 2, 1) = L_{3771} = \begin{bmatrix} 1036 \\ 0106 \end{bmatrix} \\
1847 &= \mathbf{PI}(7, 7, 0, 2, 2, 1) = L_{4509} = \begin{bmatrix} 1057 \\ 0107 \end{bmatrix} \\
1848 &= \mathbf{PI}(0, 0, 1, 2, 2, 1) = L_{139} = \begin{bmatrix} 1100 \\ 0012 \end{bmatrix} \\
1849 &= \mathbf{PI}(1, 0, 1, 2, 2, 1) = L_{1258} = \begin{bmatrix} 1012 \\ 0112 \end{bmatrix} \\
1850 &= \mathbf{PI}(2, 0, 1, 2, 2, 1) = L_{1036} = \begin{bmatrix} 1061 \\ 0161 \end{bmatrix} \\
1851 &= \mathbf{PI}(3, 0, 1, 2, 2, 1) = L_{3256} = \begin{bmatrix} 1045 \\ 0145 \end{bmatrix} \\
1852 &= \mathbf{PI}(4, 0, 1, 2, 2, 1) = L_{3774} = \begin{bmatrix} 1036 \\ 0136 \end{bmatrix} \\
1853 &= \mathbf{PI}(5, 0, 1, 2, 2, 1) = L_{2294} = \begin{bmatrix} 1073 \\ 0173 \end{bmatrix} \\
1854 &= \mathbf{PI}(6, 0, 1, 2, 2, 1) = L_{2516} = \begin{bmatrix} 1024 \\ 0124 \end{bmatrix} \\
1855 &= \mathbf{PI}(7, 0, 1, 2, 2, 1) = L_{4514} = \begin{bmatrix} 1057 \\ 0157 \end{bmatrix} \\
1856 &= \mathbf{PI}(0, 1, 1, 2, 2, 1) = L_{723} = \begin{bmatrix} 1101 \\ 0012 \end{bmatrix} \\
1857 &= \mathbf{PI}(0, 2, 1, 2, 2, 1) = L_{1307} = \begin{bmatrix} 1102 \\ 0012 \end{bmatrix} \\
1858 &= \mathbf{PI}(0, 3, 1, 2, 2, 1) = L_{1891} = \begin{bmatrix} 1103 \\ 0012 \end{bmatrix} \\
1859 &= \mathbf{PI}(0, 4, 1, 2, 2, 1) = L_{2475} = \begin{bmatrix} 1104 \\ 0012 \end{bmatrix} \\
1860 &= \mathbf{PI}(0, 5, 1, 2, 2, 1) = L_{3059} = \begin{bmatrix} 1105 \\ 0012 \end{bmatrix} \\
1861 &= \mathbf{PI}(0, 6, 1, 2, 2, 1) = L_{3643} = \begin{bmatrix} 1106 \\ 0012 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
1862 &= \mathbf{PI}(0, 7, 1, 2, 2, 1) = L_{4227} = \begin{bmatrix} 1107 \\ 0012 \end{bmatrix} \\
1863 &= \mathbf{PI}(6, 1, 2, 2, 2, 1) = L_{2518} = \begin{bmatrix} 1024 \\ 0144 \end{bmatrix} \\
1864 &= \mathbf{PI}(3, 2, 2, 2, 2, 1) = L_{3257} = \begin{bmatrix} 1045 \\ 0155 \end{bmatrix} \\
1865 &= \mathbf{PI}(2, 3, 2, 2, 2, 1) = L_{1031} = \begin{bmatrix} 1061 \\ 0111 \end{bmatrix} \\
1866 &= \mathbf{PI}(7, 4, 2, 2, 2, 1) = L_{4516} = \begin{bmatrix} 1057 \\ 0177 \end{bmatrix} \\
1867 &= \mathbf{PI}(5, 5, 2, 2, 2, 1) = L_{2290} = \begin{bmatrix} 1073 \\ 0133 \end{bmatrix} \\
1868 &= \mathbf{PI}(1, 6, 2, 2, 2, 1) = L_{1259} = \begin{bmatrix} 1012 \\ 0122 \end{bmatrix} \\
1869 &= \mathbf{PI}(4, 7, 2, 2, 2, 1) = L_{3777} = \begin{bmatrix} 1036 \\ 0166 \end{bmatrix} \\
1870 &= \mathbf{PI}(4, 1, 3, 2, 2, 1) = L_{3776} = \begin{bmatrix} 1036 \\ 0156 \end{bmatrix} \\
1871 &= \mathbf{PI}(2, 2, 3, 2, 2, 1) = L_{1037} = \begin{bmatrix} 1061 \\ 0171 \end{bmatrix} \\
1872 &= \mathbf{PI}(7, 3, 3, 2, 2, 1) = L_{4511} = \begin{bmatrix} 1057 \\ 0127 \end{bmatrix} \\
1873 &= \mathbf{PI}(1, 4, 3, 2, 2, 1) = L_{1260} = \begin{bmatrix} 1012 \\ 0132 \end{bmatrix} \\
1874 &= \mathbf{PI}(6, 5, 3, 2, 2, 1) = L_{2520} = \begin{bmatrix} 1024 \\ 0164 \end{bmatrix} \\
1875 &= \mathbf{PI}(5, 6, 3, 2, 2, 1) = L_{2291} = \begin{bmatrix} 1073 \\ 0143 \end{bmatrix} \\
1876 &= \mathbf{PI}(3, 7, 3, 2, 2, 1) = L_{3253} = \begin{bmatrix} 1045 \\ 0115 \end{bmatrix} \\
1877 &= \mathbf{PI}(7, 1, 4, 2, 2, 1) = L_{4512} = \begin{bmatrix} 1057 \\ 0137 \end{bmatrix} \\
1878 &= \mathbf{PI}(5, 2, 4, 2, 2, 1) = L_{2293} = \begin{bmatrix} 1073 \\ 0163 \end{bmatrix} \\
1879 &= \mathbf{PI}(6, 3, 4, 2, 2, 1) = L_{2519} = \begin{bmatrix} 1024 \\ 0154 \end{bmatrix} \\
1880 &= \mathbf{PI}(4, 4, 4, 2, 2, 1) = L_{3772} = \begin{bmatrix} 1036 \\ 0116 \end{bmatrix} \\
1881 &= \mathbf{PI}(2, 5, 4, 2, 2, 1) = L_{1032} = \begin{bmatrix} 1061 \\ 0121 \end{bmatrix} \\
1882 &= \mathbf{PI}(3, 6, 4, 2, 2, 1) = L_{3259} = \begin{bmatrix} 1045 \\ 0175 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1883 &= \mathbf{PI}(1, 7, 4, 2, 2, 1) = L_{1261} = \begin{bmatrix} 1012 \\ 0142 \end{bmatrix} \\
1884 &= \mathbf{PI}(5, 1, 5, 2, 2, 1) = L_{2288} = \begin{bmatrix} 1073 \\ 0113 \end{bmatrix} \\
1885 &= \mathbf{PI}(4, 2, 5, 2, 2, 1) = L_{3773} = \begin{bmatrix} 1036 \\ 0126 \end{bmatrix} \\
1886 &= \mathbf{PI}(3, 3, 5, 2, 2, 1) = L_{3255} = \begin{bmatrix} 1045 \\ 0135 \end{bmatrix} \\
1887 &= \mathbf{PI}(2, 4, 5, 2, 2, 1) = L_{1034} = \begin{bmatrix} 1061 \\ 0141 \end{bmatrix} \\
1888 &= \mathbf{PI}(1, 5, 5, 2, 2, 1) = L_{1262} = \begin{bmatrix} 1012 \\ 0152 \end{bmatrix} \\
1889 &= \mathbf{PI}(7, 6, 5, 2, 2, 1) = L_{4515} = \begin{bmatrix} 1057 \\ 0167 \end{bmatrix} \\
1890 &= \mathbf{PI}(6, 7, 5, 2, 2, 1) = L_{2521} = \begin{bmatrix} 1024 \\ 0174 \end{bmatrix} \\
1891 &= \mathbf{PI}(3, 1, 6, 2, 2, 1) = L_{3254} = \begin{bmatrix} 1045 \\ 0125 \end{bmatrix} \\
1892 &= \mathbf{PI}(7, 2, 6, 2, 2, 1) = L_{4513} = \begin{bmatrix} 1057 \\ 0147 \end{bmatrix} \\
1893 &= \mathbf{PI}(1, 3, 6, 2, 2, 1) = L_{1263} = \begin{bmatrix} 1012 \\ 0162 \end{bmatrix} \\
1894 &= \mathbf{PI}(5, 4, 6, 2, 2, 1) = L_{2292} = \begin{bmatrix} 1073 \\ 0153 \end{bmatrix} \\
1895 &= \mathbf{PI}(4, 5, 6, 2, 2, 1) = L_{3778} = \begin{bmatrix} 1036 \\ 0176 \end{bmatrix} \\
1896 &= \mathbf{PI}(6, 6, 6, 2, 2, 1) = L_{2515} = \begin{bmatrix} 1024 \\ 0114 \end{bmatrix} \\
1897 &= \mathbf{PI}(2, 7, 6, 2, 2, 1) = L_{1033} = \begin{bmatrix} 1061 \\ 0131 \end{bmatrix} \\
1898 &= \mathbf{PI}(1, 1, 7, 2, 2, 1) = L_{1264} = \begin{bmatrix} 1012 \\ 0172 \end{bmatrix} \\
1899 &= \mathbf{PI}(6, 2, 7, 2, 2, 1) = L_{2517} = \begin{bmatrix} 1024 \\ 0134 \end{bmatrix} \\
1900 &= \mathbf{PI}(4, 3, 7, 2, 2, 1) = L_{3775} = \begin{bmatrix} 1036 \\ 0146 \end{bmatrix} \\
1901 &= \mathbf{PI}(3, 4, 7, 2, 2, 1) = L_{3258} = \begin{bmatrix} 1045 \\ 0165 \end{bmatrix} \\
1902 &= \mathbf{PI}(7, 5, 7, 2, 2, 1) = L_{4510} = \begin{bmatrix} 1057 \\ 0117 \end{bmatrix} \\
1903 &= \mathbf{PI}(2, 6, 7, 2, 2, 1) = L_{1035} = \begin{bmatrix} 1061 \\ 0151 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1904 &= \mathbf{PI}(5, 7, 7, 2, 2, 1) = L_{2289} = \begin{bmatrix} 1073 \\ 0123 \end{bmatrix} \\
1905 &= \mathbf{PI}(2, 1, 0, 3, 2, 1) = L_{4534} = \begin{bmatrix} 1067 \\ 0101 \end{bmatrix} \\
1906 &= \mathbf{PI}(1, 2, 0, 3, 2, 1) = L_{1841} = \begin{bmatrix} 1013 \\ 0102 \end{bmatrix} \\
1907 &= \mathbf{PI}(5, 3, 0, 3, 2, 1) = L_{2871} = \begin{bmatrix} 1074 \\ 0103 \end{bmatrix} \\
1908 &= \mathbf{PI}(6, 4, 0, 3, 2, 1) = L_{3682} = \begin{bmatrix} 1026 \\ 0104 \end{bmatrix} \\
1909 &= \mathbf{PI}(3, 5, 0, 3, 2, 1) = L_{916} = \begin{bmatrix} 1041 \\ 0105 \end{bmatrix} \\
1910 &= \mathbf{PI}(4, 6, 0, 3, 2, 1) = L_{3187} = \begin{bmatrix} 1035 \\ 0106 \end{bmatrix} \\
1911 &= \mathbf{PI}(7, 7, 0, 3, 2, 1) = L_{1589} = \begin{bmatrix} 1052 \\ 0107 \end{bmatrix} \\
1912 &= \mathbf{PI}(1, 1, 1, 3, 2, 1) = L_{1842} = \begin{bmatrix} 1013 \\ 0112 \end{bmatrix} \\
1913 &= \mathbf{PI}(6, 2, 1, 3, 2, 1) = L_{3684} = \begin{bmatrix} 1026 \\ 0124 \end{bmatrix} \\
1914 &= \mathbf{PI}(4, 3, 1, 3, 2, 1) = L_{3190} = \begin{bmatrix} 1035 \\ 0136 \end{bmatrix} \\
1915 &= \mathbf{PI}(3, 4, 1, 3, 2, 1) = L_{920} = \begin{bmatrix} 1041 \\ 0145 \end{bmatrix} \\
1916 &= \mathbf{PI}(7, 5, 1, 3, 2, 1) = L_{1594} = \begin{bmatrix} 1052 \\ 0157 \end{bmatrix} \\
1917 &= \mathbf{PI}(2, 6, 1, 3, 2, 1) = L_{4540} = \begin{bmatrix} 1067 \\ 0161 \end{bmatrix} \\
1918 &= \mathbf{PI}(5, 7, 1, 3, 2, 1) = L_{2878} = \begin{bmatrix} 1074 \\ 0173 \end{bmatrix} \\
1919 &= \mathbf{PI}(4, 1, 2, 3, 2, 1) = L_{3193} = \begin{bmatrix} 1035 \\ 0166 \end{bmatrix} \\
1920 &= \mathbf{PI}(2, 2, 2, 3, 2, 1) = L_{4535} = \begin{bmatrix} 1067 \\ 0111 \end{bmatrix} \\
1921 &= \mathbf{PI}(7, 3, 2, 3, 2, 1) = L_{1596} = \begin{bmatrix} 1052 \\ 0177 \end{bmatrix} \\
1922 &= \mathbf{PI}(1, 4, 2, 3, 2, 1) = L_{1843} = \begin{bmatrix} 1013 \\ 0122 \end{bmatrix} \\
1923 &= \mathbf{PI}(6, 5, 2, 3, 2, 1) = L_{3686} = \begin{bmatrix} 1026 \\ 0144 \end{bmatrix} \\
1924 &= \mathbf{PI}(5, 6, 2, 3, 2, 1) = L_{2874} = \begin{bmatrix} 1074 \\ 0133 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1925 &= \mathbf{PI}(3, 7, 2, 3, 2, 1) = L_{921} = \begin{bmatrix} 1041 \\ 0155 \end{bmatrix} \\
1926 &= \mathbf{PI}(7, 1, 3, 3, 2, 1) = L_{1591} = \begin{bmatrix} 1052 \\ 0127 \end{bmatrix} \\
1927 &= \mathbf{PI}(5, 2, 3, 3, 2, 1) = L_{2875} = \begin{bmatrix} 1074 \\ 0143 \end{bmatrix} \\
1928 &= \mathbf{PI}(6, 3, 3, 3, 2, 1) = L_{3688} = \begin{bmatrix} 1026 \\ 0164 \end{bmatrix} \\
1929 &= \mathbf{PI}(4, 4, 3, 3, 2, 1) = L_{3192} = \begin{bmatrix} 1035 \\ 0156 \end{bmatrix} \\
1930 &= \mathbf{PI}(2, 5, 3, 3, 2, 1) = L_{4541} = \begin{bmatrix} 1067 \\ 0171 \end{bmatrix} \\
1931 &= \mathbf{PI}(3, 6, 3, 3, 2, 1) = L_{917} = \begin{bmatrix} 1041 \\ 0115 \end{bmatrix} \\
1932 &= \mathbf{PI}(1, 7, 3, 3, 2, 1) = L_{1844} = \begin{bmatrix} 1013 \\ 0132 \end{bmatrix} \\
1933 &= \mathbf{PI}(3, 1, 4, 3, 2, 1) = L_{923} = \begin{bmatrix} 1041 \\ 0175 \end{bmatrix} \\
1934 &= \mathbf{PI}(7, 2, 4, 3, 2, 1) = L_{1592} = \begin{bmatrix} 1052 \\ 0137 \end{bmatrix} \\
1935 &= \mathbf{PI}(1, 3, 4, 3, 2, 1) = L_{1845} = \begin{bmatrix} 1013 \\ 0142 \end{bmatrix} \\
1936 &= \mathbf{PI}(5, 4, 4, 3, 2, 1) = L_{2877} = \begin{bmatrix} 1074 \\ 0163 \end{bmatrix} \\
1937 &= \mathbf{PI}(4, 5, 4, 3, 2, 1) = L_{3188} = \begin{bmatrix} 1035 \\ 0116 \end{bmatrix} \\
1938 &= \mathbf{PI}(6, 6, 4, 3, 2, 1) = L_{3687} = \begin{bmatrix} 1026 \\ 0154 \end{bmatrix} \\
1939 &= \mathbf{PI}(2, 7, 4, 3, 2, 1) = L_{4536} = \begin{bmatrix} 1067 \\ 0121 \end{bmatrix} \\
1940 &= \mathbf{PI}(0, 0, 5, 3, 2, 1) = L_{578} = \begin{bmatrix} 1700 \\ 0013 \end{bmatrix} \\
1941 &= \mathbf{PI}(1, 0, 5, 3, 2, 1) = L_{1846} = \begin{bmatrix} 1013 \\ 0152 \end{bmatrix} \\
1942 &= \mathbf{PI}(2, 0, 5, 3, 2, 1) = L_{4538} = \begin{bmatrix} 1067 \\ 0141 \end{bmatrix} \\
1943 &= \mathbf{PI}(3, 0, 5, 3, 2, 1) = L_{919} = \begin{bmatrix} 1041 \\ 0135 \end{bmatrix} \\
1944 &= \mathbf{PI}(4, 0, 5, 3, 2, 1) = L_{3189} = \begin{bmatrix} 1035 \\ 0126 \end{bmatrix} \\
1945 &= \mathbf{PI}(5, 0, 5, 3, 2, 1) = L_{2872} = \begin{bmatrix} 1074 \\ 0113 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1946 &= \mathbf{PI}(6, 0, 5, 3, 2, 1) = L_{3689} = \begin{bmatrix} 1026 \\ 0174 \end{bmatrix} \\
1947 &= \mathbf{PI}(7, 0, 5, 3, 2, 1) = L_{1595} = \begin{bmatrix} 1052 \\ 0167 \end{bmatrix} \\
1948 &= \mathbf{PI}(0, 1, 5, 3, 2, 1) = L_{4666} = \begin{bmatrix} 1707 \\ 0013 \end{bmatrix} \\
1949 &= \mathbf{PI}(0, 2, 5, 3, 2, 1) = L_{2330} = \begin{bmatrix} 1703 \\ 0013 \end{bmatrix} \\
1950 &= \mathbf{PI}(0, 3, 5, 3, 2, 1) = L_{2914} = \begin{bmatrix} 1704 \\ 0013 \end{bmatrix} \\
1951 &= \mathbf{PI}(0, 4, 5, 3, 2, 1) = L_{4082} = \begin{bmatrix} 1706 \\ 0013 \end{bmatrix} \\
1952 &= \mathbf{PI}(0, 5, 5, 3, 2, 1) = L_{1162} = \begin{bmatrix} 1701 \\ 0013 \end{bmatrix} \\
1953 &= \mathbf{PI}(0, 6, 5, 3, 2, 1) = L_{3498} = \begin{bmatrix} 1705 \\ 0013 \end{bmatrix} \\
1954 &= \mathbf{PI}(0, 7, 5, 3, 2, 1) = L_{1746} = \begin{bmatrix} 1702 \\ 0013 \end{bmatrix} \\
1955 &= \mathbf{PI}(5, 1, 6, 3, 2, 1) = L_{2876} = \begin{bmatrix} 1074 \\ 0153 \end{bmatrix} \\
1956 &= \mathbf{PI}(4, 2, 6, 3, 2, 1) = L_{3194} = \begin{bmatrix} 1035 \\ 0176 \end{bmatrix} \\
1957 &= \mathbf{PI}(3, 3, 6, 3, 2, 1) = L_{918} = \begin{bmatrix} 1041 \\ 0125 \end{bmatrix} \\
1958 &= \mathbf{PI}(2, 4, 6, 3, 2, 1) = L_{4537} = \begin{bmatrix} 1067 \\ 0131 \end{bmatrix} \\
1959 &= \mathbf{PI}(1, 5, 6, 3, 2, 1) = L_{1847} = \begin{bmatrix} 1013 \\ 0162 \end{bmatrix} \\
1960 &= \mathbf{PI}(7, 6, 6, 3, 2, 1) = L_{1593} = \begin{bmatrix} 1052 \\ 0147 \end{bmatrix} \\
1961 &= \mathbf{PI}(6, 7, 6, 3, 2, 1) = L_{3683} = \begin{bmatrix} 1026 \\ 0114 \end{bmatrix} \\
1962 &= \mathbf{PI}(6, 1, 7, 3, 2, 1) = L_{3685} = \begin{bmatrix} 1026 \\ 0134 \end{bmatrix} \\
1963 &= \mathbf{PI}(3, 2, 7, 3, 2, 1) = L_{922} = \begin{bmatrix} 1041 \\ 0165 \end{bmatrix} \\
1964 &= \mathbf{PI}(2, 3, 7, 3, 2, 1) = L_{4539} = \begin{bmatrix} 1067 \\ 0151 \end{bmatrix} \\
1965 &= \mathbf{PI}(7, 4, 7, 3, 2, 1) = L_{1590} = \begin{bmatrix} 1052 \\ 0117 \end{bmatrix} \\
1966 &= \mathbf{PI}(5, 5, 7, 3, 2, 1) = L_{2873} = \begin{bmatrix} 1074 \\ 0123 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1967 &= \mathbf{PI}(1, 6, 7, 3, 2, 1) = L_{1848} = \begin{bmatrix} 1013 \\ 0172 \end{bmatrix} \\
1968 &= \mathbf{PI}(4, 7, 7, 3, 2, 1) = L_{3191} = \begin{bmatrix} 1035 \\ 0146 \end{bmatrix} \\
1969 &= \mathbf{PI}(2, 1, 0, 4, 2, 1) = L_{1614} = \begin{bmatrix} 1062 \\ 0101 \end{bmatrix} \\
1970 &= \mathbf{PI}(1, 2, 0, 4, 2, 1) = L_{2425} = \begin{bmatrix} 1014 \\ 0102 \end{bmatrix} \\
1971 &= \mathbf{PI}(5, 3, 0, 4, 2, 1) = L_{4039} = \begin{bmatrix} 1076 \\ 0103 \end{bmatrix} \\
1972 &= \mathbf{PI}(6, 4, 0, 4, 2, 1) = L_{3098} = \begin{bmatrix} 1025 \\ 0104 \end{bmatrix} \\
1973 &= \mathbf{PI}(3, 5, 0, 4, 2, 1) = L_{4420} = \begin{bmatrix} 1047 \\ 0105 \end{bmatrix} \\
1974 &= \mathbf{PI}(4, 6, 0, 4, 2, 1) = L_{851} = \begin{bmatrix} 1031 \\ 0106 \end{bmatrix} \\
1975 &= \mathbf{PI}(7, 7, 0, 4, 2, 1) = L_{2173} = \begin{bmatrix} 1053 \\ 0107 \end{bmatrix} \\
1976 &= \mathbf{PI}(6, 1, 1, 4, 2, 1) = L_{3100} = \begin{bmatrix} 1025 \\ 0124 \end{bmatrix} \\
1977 &= \mathbf{PI}(3, 2, 1, 4, 2, 1) = L_{4424} = \begin{bmatrix} 1047 \\ 0145 \end{bmatrix} \\
1978 &= \mathbf{PI}(2, 3, 1, 4, 2, 1) = L_{1620} = \begin{bmatrix} 1062 \\ 0161 \end{bmatrix} \\
1979 &= \mathbf{PI}(7, 4, 1, 4, 2, 1) = L_{2178} = \begin{bmatrix} 1053 \\ 0157 \end{bmatrix} \\
1980 &= \mathbf{PI}(5, 5, 1, 4, 2, 1) = L_{4046} = \begin{bmatrix} 1076 \\ 0173 \end{bmatrix} \\
1981 &= \mathbf{PI}(1, 6, 1, 4, 2, 1) = L_{2426} = \begin{bmatrix} 1014 \\ 0112 \end{bmatrix} \\
1982 &= \mathbf{PI}(4, 7, 1, 4, 2, 1) = L_{854} = \begin{bmatrix} 1031 \\ 0136 \end{bmatrix} \\
1983 &= \mathbf{PI}(7, 1, 2, 4, 2, 1) = L_{2180} = \begin{bmatrix} 1053 \\ 0177 \end{bmatrix} \\
1984 &= \mathbf{PI}(5, 2, 2, 4, 2, 1) = L_{4042} = \begin{bmatrix} 1076 \\ 0133 \end{bmatrix} \\
1985 &= \mathbf{PI}(6, 3, 2, 4, 2, 1) = L_{3102} = \begin{bmatrix} 1025 \\ 0144 \end{bmatrix} \\
1986 &= \mathbf{PI}(4, 4, 2, 4, 2, 1) = L_{857} = \begin{bmatrix} 1031 \\ 0166 \end{bmatrix} \\
1987 &= \mathbf{PI}(2, 5, 2, 4, 2, 1) = L_{1615} = \begin{bmatrix} 1062 \\ 0111 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
1988 &= \mathbf{PI}(3, 6, 2, 4, 2, 1) = L_{4425} = \begin{bmatrix} 1047 \\ 0155 \end{bmatrix} \\
1989 &= \mathbf{PI}(1, 7, 2, 4, 2, 1) = L_{2427} = \begin{bmatrix} 1014 \\ 0122 \end{bmatrix} \\
1990 &= \mathbf{PI}(3, 1, 3, 4, 2, 1) = L_{4421} = \begin{bmatrix} 1047 \\ 0115 \end{bmatrix} \\
1991 &= \mathbf{PI}(7, 2, 3, 4, 2, 1) = L_{2175} = \begin{bmatrix} 1053 \\ 0127 \end{bmatrix} \\
1992 &= \mathbf{PI}(1, 3, 3, 4, 2, 1) = L_{2428} = \begin{bmatrix} 1014 \\ 0132 \end{bmatrix} \\
1993 &= \mathbf{PI}(5, 4, 3, 4, 2, 1) = L_{4043} = \begin{bmatrix} 1076 \\ 0143 \end{bmatrix} \\
1994 &= \mathbf{PI}(4, 5, 3, 4, 2, 1) = L_{856} = \begin{bmatrix} 1031 \\ 0156 \end{bmatrix} \\
1995 &= \mathbf{PI}(6, 6, 3, 4, 2, 1) = L_{3104} = \begin{bmatrix} 1025 \\ 0164 \end{bmatrix} \\
1996 &= \mathbf{PI}(2, 7, 3, 4, 2, 1) = L_{1621} = \begin{bmatrix} 1062 \\ 0171 \end{bmatrix} \\
1997 &= \mathbf{PI}(5, 1, 4, 4, 2, 1) = L_{4045} = \begin{bmatrix} 1076 \\ 0163 \end{bmatrix} \\
1998 &= \mathbf{PI}(4, 2, 4, 4, 2, 1) = L_{852} = \begin{bmatrix} 1031 \\ 0116 \end{bmatrix} \\
1999 &= \mathbf{PI}(3, 3, 4, 4, 2, 1) = L_{4427} = \begin{bmatrix} 1047 \\ 0175 \end{bmatrix} \\
2000 &= \mathbf{PI}(2, 4, 4, 4, 2, 1) = L_{1616} = \begin{bmatrix} 1062 \\ 0121 \end{bmatrix} \\
2001 &= \mathbf{PI}(1, 5, 4, 4, 2, 1) = L_{2429} = \begin{bmatrix} 1014 \\ 0142 \end{bmatrix} \\
2002 &= \mathbf{PI}(7, 6, 4, 4, 2, 1) = L_{2176} = \begin{bmatrix} 1053 \\ 0137 \end{bmatrix} \\
2003 &= \mathbf{PI}(6, 7, 4, 4, 2, 1) = L_{3103} = \begin{bmatrix} 1025 \\ 0154 \end{bmatrix} \\
2004 &= \mathbf{PI}(1, 1, 5, 4, 2, 1) = L_{2430} = \begin{bmatrix} 1014 \\ 0152 \end{bmatrix} \\
2005 &= \mathbf{PI}(6, 2, 5, 4, 2, 1) = L_{3105} = \begin{bmatrix} 1025 \\ 0174 \end{bmatrix} \\
2006 &= \mathbf{PI}(4, 3, 5, 4, 2, 1) = L_{853} = \begin{bmatrix} 1031 \\ 0126 \end{bmatrix} \\
2007 &= \mathbf{PI}(3, 4, 5, 4, 2, 1) = L_{4423} = \begin{bmatrix} 1047 \\ 0135 \end{bmatrix} \\
2008 &= \mathbf{PI}(7, 5, 5, 4, 2, 1) = L_{2179} = \begin{bmatrix} 1053 \\ 0167 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2009 &= \mathbf{PI}(2, 6, 5, 4, 2, 1) = L_{1618} = \begin{bmatrix} 1062 \\ 0141 \end{bmatrix} \\
2010 &= \mathbf{PI}(5, 7, 5, 4, 2, 1) = L_{4040} = \begin{bmatrix} 1076 \\ 0113 \end{bmatrix} \\
2011 &= \mathbf{PI}(0, 0, 6, 4, 2, 1) = L_{214} = \begin{bmatrix} 1200 \\ 0014 \end{bmatrix} \\
2012 &= \mathbf{PI}(1, 0, 6, 4, 2, 1) = L_{2431} = \begin{bmatrix} 1014 \\ 0162 \end{bmatrix} \\
2013 &= \mathbf{PI}(2, 0, 6, 4, 2, 1) = L_{1617} = \begin{bmatrix} 1062 \\ 0131 \end{bmatrix} \\
2014 &= \mathbf{PI}(3, 0, 6, 4, 2, 1) = L_{4422} = \begin{bmatrix} 1047 \\ 0125 \end{bmatrix} \\
2015 &= \mathbf{PI}(4, 0, 6, 4, 2, 1) = L_{858} = \begin{bmatrix} 1031 \\ 0176 \end{bmatrix} \\
2016 &= \mathbf{PI}(5, 0, 6, 4, 2, 1) = L_{4044} = \begin{bmatrix} 1076 \\ 0153 \end{bmatrix} \\
2017 &= \mathbf{PI}(6, 0, 6, 4, 2, 1) = L_{3099} = \begin{bmatrix} 1025 \\ 0114 \end{bmatrix} \\
2018 &= \mathbf{PI}(7, 0, 6, 4, 2, 1) = L_{2177} = \begin{bmatrix} 1053 \\ 0147 \end{bmatrix} \\
2019 &= \mathbf{PI}(0, 1, 6, 4, 2, 1) = L_{1382} = \begin{bmatrix} 1202 \\ 0014 \end{bmatrix} \\
2020 &= \mathbf{PI}(0, 2, 6, 4, 2, 1) = L_{2550} = \begin{bmatrix} 1204 \\ 0014 \end{bmatrix} \\
2021 &= \mathbf{PI}(0, 3, 6, 4, 2, 1) = L_{3718} = \begin{bmatrix} 1206 \\ 0014 \end{bmatrix} \\
2022 &= \mathbf{PI}(0, 4, 6, 4, 2, 1) = L_{3134} = \begin{bmatrix} 1205 \\ 0014 \end{bmatrix} \\
2023 &= \mathbf{PI}(0, 5, 6, 4, 2, 1) = L_{4302} = \begin{bmatrix} 1207 \\ 0014 \end{bmatrix} \\
2024 &= \mathbf{PI}(0, 6, 6, 4, 2, 1) = L_{798} = \begin{bmatrix} 1201 \\ 0014 \end{bmatrix} \\
2025 &= \mathbf{PI}(0, 7, 6, 4, 2, 1) = L_{1966} = \begin{bmatrix} 1203 \\ 0014 \end{bmatrix} \\
2026 &= \mathbf{PI}(4, 1, 7, 4, 2, 1) = L_{855} = \begin{bmatrix} 1031 \\ 0146 \end{bmatrix} \\
2027 &= \mathbf{PI}(2, 2, 7, 4, 2, 1) = L_{1619} = \begin{bmatrix} 1062 \\ 0151 \end{bmatrix} \\
2028 &= \mathbf{PI}(7, 3, 7, 4, 2, 1) = L_{2174} = \begin{bmatrix} 1053 \\ 0117 \end{bmatrix} \\
2029 &= \mathbf{PI}(1, 4, 7, 4, 2, 1) = L_{2432} = \begin{bmatrix} 1014 \\ 0172 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
2030 &= \mathbf{PI}(6, 5, 7, 4, 2, 1) = L_{3101} = \begin{bmatrix} 1025 \\ 0134 \end{bmatrix} \\
2031 &= \mathbf{PI}(5, 6, 7, 4, 2, 1) = L_{4041} = \begin{bmatrix} 1076 \\ 0123 \end{bmatrix} \\
2032 &= \mathbf{PI}(3, 7, 7, 4, 2, 1) = L_{4426} = \begin{bmatrix} 1047 \\ 0165 \end{bmatrix} \\
2033 &= \mathbf{PI}(2, 1, 0, 5, 2, 1) = L_{2782} = \begin{bmatrix} 1064 \\ 0101 \end{bmatrix} \\
2034 &= \mathbf{PI}(1, 2, 0, 5, 2, 1) = L_{3009} = \begin{bmatrix} 1015 \\ 0102 \end{bmatrix} \\
2035 &= \mathbf{PI}(5, 3, 0, 5, 2, 1) = L_{1119} = \begin{bmatrix} 1071 \\ 0103 \end{bmatrix} \\
2036 &= \mathbf{PI}(6, 4, 0, 5, 2, 1) = L_{4266} = \begin{bmatrix} 1027 \\ 0104 \end{bmatrix} \\
2037 &= \mathbf{PI}(3, 5, 0, 5, 2, 1) = L_{2084} = \begin{bmatrix} 1043 \\ 0105 \end{bmatrix} \\
2038 &= \mathbf{PI}(4, 6, 0, 5, 2, 1) = L_{1435} = \begin{bmatrix} 1032 \\ 0106 \end{bmatrix} \\
2039 &= \mathbf{PI}(7, 7, 0, 5, 2, 1) = L_{3925} = \begin{bmatrix} 1056 \\ 0107 \end{bmatrix} \\
2040 &= \mathbf{PI}(7, 1, 1, 5, 2, 1) = L_{3930} = \begin{bmatrix} 1056 \\ 0157 \end{bmatrix} \\
2041 &= \mathbf{PI}(5, 2, 1, 5, 2, 1) = L_{1126} = \begin{bmatrix} 1071 \\ 0173 \end{bmatrix} \\
2042 &= \mathbf{PI}(6, 3, 1, 5, 2, 1) = L_{4268} = \begin{bmatrix} 1027 \\ 0124 \end{bmatrix} \\
2043 &= \mathbf{PI}(4, 4, 1, 5, 2, 1) = L_{1438} = \begin{bmatrix} 1032 \\ 0136 \end{bmatrix} \\
2044 &= \mathbf{PI}(2, 5, 1, 5, 2, 1) = L_{2788} = \begin{bmatrix} 1064 \\ 0161 \end{bmatrix} \\
2045 &= \mathbf{PI}(3, 6, 1, 5, 2, 1) = L_{2088} = \begin{bmatrix} 1043 \\ 0145 \end{bmatrix} \\
2046 &= \mathbf{PI}(1, 7, 1, 5, 2, 1) = L_{3010} = \begin{bmatrix} 1015 \\ 0112 \end{bmatrix} \\
2047 &= \mathbf{PI}(5, 1, 2, 5, 2, 1) = L_{1122} = \begin{bmatrix} 1071 \\ 0133 \end{bmatrix} \\
2048 &= \mathbf{PI}(4, 2, 2, 5, 2, 1) = L_{1441} = \begin{bmatrix} 1032 \\ 0166 \end{bmatrix} \\
2049 &= \mathbf{PI}(3, 3, 2, 5, 2, 1) = L_{2089} = \begin{bmatrix} 1043 \\ 0155 \end{bmatrix} \\
2050 &= \mathbf{PI}(2, 4, 2, 5, 2, 1) = L_{2783} = \begin{bmatrix} 1064 \\ 0111 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2051 &= \mathbf{PI}(1, 5, 2, 5, 2, 1) = L_{3011} = \begin{bmatrix} 1015 \\ 0122 \end{bmatrix} \\
2052 &= \mathbf{PI}(7, 6, 2, 5, 2, 1) = L_{3932} = \begin{bmatrix} 1056 \\ 0177 \end{bmatrix} \\
2053 &= \mathbf{PI}(6, 7, 2, 5, 2, 1) = L_{4270} = \begin{bmatrix} 1027 \\ 0144 \end{bmatrix} \\
2054 &= \mathbf{PI}(0, 0, 3, 5, 2, 1) = L_{361} = \begin{bmatrix} 1400 \\ 0015 \end{bmatrix} \\
2055 &= \mathbf{PI}(1, 0, 3, 5, 2, 1) = L_{3012} = \begin{bmatrix} 1015 \\ 0132 \end{bmatrix} \\
2056 &= \mathbf{PI}(2, 0, 3, 5, 2, 1) = L_{2789} = \begin{bmatrix} 1064 \\ 0171 \end{bmatrix} \\
2057 &= \mathbf{PI}(3, 0, 3, 5, 2, 1) = L_{2085} = \begin{bmatrix} 1043 \\ 0115 \end{bmatrix} \\
2058 &= \mathbf{PI}(4, 0, 3, 5, 2, 1) = L_{1440} = \begin{bmatrix} 1032 \\ 0156 \end{bmatrix} \\
2059 &= \mathbf{PI}(5, 0, 3, 5, 2, 1) = L_{1123} = \begin{bmatrix} 1071 \\ 0143 \end{bmatrix} \\
2060 &= \mathbf{PI}(6, 0, 3, 5, 2, 1) = L_{4272} = \begin{bmatrix} 1027 \\ 0164 \end{bmatrix} \\
2061 &= \mathbf{PI}(7, 0, 3, 5, 2, 1) = L_{3927} = \begin{bmatrix} 1056 \\ 0127 \end{bmatrix} \\
2062 &= \mathbf{PI}(0, 1, 3, 5, 2, 1) = L_{2697} = \begin{bmatrix} 1404 \\ 0015 \end{bmatrix} \\
2063 &= \mathbf{PI}(0, 2, 3, 5, 2, 1) = L_{3281} = \begin{bmatrix} 1405 \\ 0015 \end{bmatrix} \\
2064 &= \mathbf{PI}(0, 3, 3, 5, 2, 1) = L_{945} = \begin{bmatrix} 1401 \\ 0015 \end{bmatrix} \\
2065 &= \mathbf{PI}(0, 4, 3, 5, 2, 1) = L_{4449} = \begin{bmatrix} 1407 \\ 0015 \end{bmatrix} \\
2066 &= \mathbf{PI}(0, 5, 3, 5, 2, 1) = L_{2113} = \begin{bmatrix} 1403 \\ 0015 \end{bmatrix} \\
2067 &= \mathbf{PI}(0, 6, 3, 5, 2, 1) = L_{1529} = \begin{bmatrix} 1402 \\ 0015 \end{bmatrix} \\
2068 &= \mathbf{PI}(0, 7, 3, 5, 2, 1) = L_{3865} = \begin{bmatrix} 1406 \\ 0015 \end{bmatrix} \\
2069 &= \mathbf{PI}(1, 1, 4, 5, 2, 1) = L_{3013} = \begin{bmatrix} 1015 \\ 0142 \end{bmatrix} \\
2070 &= \mathbf{PI}(6, 2, 4, 5, 2, 1) = L_{4271} = \begin{bmatrix} 1027 \\ 0154 \end{bmatrix} \\
2071 &= \mathbf{PI}(4, 3, 4, 5, 2, 1) = L_{1436} = \begin{bmatrix} 1032 \\ 0116 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2072 &= \mathbf{PI}(3, 4, 4, 5, 2, 1) = L_{2091} = \begin{bmatrix} 1043 \\ 0175 \end{bmatrix} \\
2073 &= \mathbf{PI}(7, 5, 4, 5, 2, 1) = L_{3928} = \begin{bmatrix} 1056 \\ 0137 \end{bmatrix} \\
2074 &= \mathbf{PI}(2, 6, 4, 5, 2, 1) = L_{2784} = \begin{bmatrix} 1064 \\ 0121 \end{bmatrix} \\
2075 &= \mathbf{PI}(5, 7, 4, 5, 2, 1) = L_{1125} = \begin{bmatrix} 1071 \\ 0163 \end{bmatrix} \\
2076 &= \mathbf{PI}(4, 1, 5, 5, 2, 1) = L_{1437} = \begin{bmatrix} 1032 \\ 0126 \end{bmatrix} \\
2077 &= \mathbf{PI}(2, 2, 5, 5, 2, 1) = L_{2786} = \begin{bmatrix} 1064 \\ 0141 \end{bmatrix} \\
2078 &= \mathbf{PI}(7, 3, 5, 5, 2, 1) = L_{3931} = \begin{bmatrix} 1056 \\ 0167 \end{bmatrix} \\
2079 &= \mathbf{PI}(1, 4, 5, 5, 2, 1) = L_{3014} = \begin{bmatrix} 1015 \\ 0152 \end{bmatrix} \\
2080 &= \mathbf{PI}(6, 5, 5, 5, 2, 1) = L_{4273} = \begin{bmatrix} 1027 \\ 0174 \end{bmatrix} \\
2081 &= \mathbf{PI}(5, 6, 5, 5, 2, 1) = L_{1120} = \begin{bmatrix} 1071 \\ 0113 \end{bmatrix} \\
2082 &= \mathbf{PI}(3, 7, 5, 5, 2, 1) = L_{2087} = \begin{bmatrix} 1043 \\ 0135 \end{bmatrix} \\
2083 &= \mathbf{PI}(6, 1, 6, 5, 2, 1) = L_{4267} = \begin{bmatrix} 1027 \\ 0114 \end{bmatrix} \\
2084 &= \mathbf{PI}(3, 2, 6, 5, 2, 1) = L_{2086} = \begin{bmatrix} 1043 \\ 0125 \end{bmatrix} \\
2085 &= \mathbf{PI}(2, 3, 6, 5, 2, 1) = L_{2785} = \begin{bmatrix} 1064 \\ 0131 \end{bmatrix} \\
2086 &= \mathbf{PI}(7, 4, 6, 5, 2, 1) = L_{3929} = \begin{bmatrix} 1056 \\ 0147 \end{bmatrix} \\
2087 &= \mathbf{PI}(5, 5, 6, 5, 2, 1) = L_{1124} = \begin{bmatrix} 1071 \\ 0153 \end{bmatrix} \\
2088 &= \mathbf{PI}(1, 6, 6, 5, 2, 1) = L_{3015} = \begin{bmatrix} 1015 \\ 0162 \end{bmatrix} \\
2089 &= \mathbf{PI}(4, 7, 6, 5, 2, 1) = L_{1442} = \begin{bmatrix} 1032 \\ 0176 \end{bmatrix} \\
2090 &= \mathbf{PI}(3, 1, 7, 5, 2, 1) = L_{2090} = \begin{bmatrix} 1043 \\ 0165 \end{bmatrix} \\
2091 &= \mathbf{PI}(7, 2, 7, 5, 2, 1) = L_{3926} = \begin{bmatrix} 1056 \\ 0117 \end{bmatrix} \\
2092 &= \mathbf{PI}(1, 3, 7, 5, 2, 1) = L_{3016} = \begin{bmatrix} 1015 \\ 0172 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2093 &= \mathbf{PI}(5, 4, 7, 5, 2, 1) = L_{1121} = \begin{bmatrix} 1071 \\ 0123 \end{bmatrix} \\
2094 &= \mathbf{PI}(4, 5, 7, 5, 2, 1) = L_{1439} = \begin{bmatrix} 1032 \\ 0146 \end{bmatrix} \\
2095 &= \mathbf{PI}(6, 6, 7, 5, 2, 1) = L_{4269} = \begin{bmatrix} 1027 \\ 0134 \end{bmatrix} \\
2096 &= \mathbf{PI}(2, 7, 7, 5, 2, 1) = L_{2787} = \begin{bmatrix} 1064 \\ 0151 \end{bmatrix} \\
2097 &= \mathbf{PI}(2, 1, 0, 6, 2, 1) = L_{2198} = \begin{bmatrix} 1063 \\ 0101 \end{bmatrix} \\
2098 &= \mathbf{PI}(1, 2, 0, 6, 2, 1) = L_{3593} = \begin{bmatrix} 1016 \\ 0102 \end{bmatrix} \\
2099 &= \mathbf{PI}(5, 3, 0, 6, 2, 1) = L_{3455} = \begin{bmatrix} 1075 \\ 0103 \end{bmatrix} \\
2100 &= \mathbf{PI}(6, 4, 0, 6, 2, 1) = L_{762} = \begin{bmatrix} 1021 \\ 0104 \end{bmatrix} \\
2101 &= \mathbf{PI}(3, 5, 0, 6, 2, 1) = L_{1500} = \begin{bmatrix} 1042 \\ 0105 \end{bmatrix} \\
2102 &= \mathbf{PI}(4, 6, 0, 6, 2, 1) = L_{4355} = \begin{bmatrix} 1037 \\ 0106 \end{bmatrix} \\
2103 &= \mathbf{PI}(7, 7, 0, 6, 2, 1) = L_{2757} = \begin{bmatrix} 1054 \\ 0107 \end{bmatrix} \\
2104 &= \mathbf{PI}(4, 1, 1, 6, 2, 1) = L_{4358} = \begin{bmatrix} 1037 \\ 0136 \end{bmatrix} \\
2105 &= \mathbf{PI}(2, 2, 1, 6, 2, 1) = L_{2204} = \begin{bmatrix} 1063 \\ 0161 \end{bmatrix} \\
2106 &= \mathbf{PI}(7, 3, 1, 6, 2, 1) = L_{2762} = \begin{bmatrix} 1054 \\ 0157 \end{bmatrix} \\
2107 &= \mathbf{PI}(1, 4, 1, 6, 2, 1) = L_{3594} = \begin{bmatrix} 1016 \\ 0112 \end{bmatrix} \\
2108 &= \mathbf{PI}(6, 5, 1, 6, 2, 1) = L_{764} = \begin{bmatrix} 1021 \\ 0124 \end{bmatrix} \\
2109 &= \mathbf{PI}(5, 6, 1, 6, 2, 1) = L_{3462} = \begin{bmatrix} 1075 \\ 0173 \end{bmatrix} \\
2110 &= \mathbf{PI}(3, 7, 1, 6, 2, 1) = L_{1504} = \begin{bmatrix} 1042 \\ 0145 \end{bmatrix} \\
2111 &= \mathbf{PI}(3, 1, 2, 6, 2, 1) = L_{1505} = \begin{bmatrix} 1042 \\ 0155 \end{bmatrix} \\
2112 &= \mathbf{PI}(7, 2, 2, 6, 2, 1) = L_{2764} = \begin{bmatrix} 1054 \\ 0177 \end{bmatrix} \\
2113 &= \mathbf{PI}(1, 3, 2, 6, 2, 1) = L_{3595} = \begin{bmatrix} 1016 \\ 0122 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2114 &= \mathbf{PI}(5, 4, 2, 6, 2, 1) = L_{3458} = \begin{bmatrix} 1075 \\ 0133 \end{bmatrix} \\
2115 &= \mathbf{PI}(4, 5, 2, 6, 2, 1) = L_{4361} = \begin{bmatrix} 1037 \\ 0166 \end{bmatrix} \\
2116 &= \mathbf{PI}(6, 6, 2, 6, 2, 1) = L_{766} = \begin{bmatrix} 1021 \\ 0144 \end{bmatrix} \\
2117 &= \mathbf{PI}(2, 7, 2, 6, 2, 1) = L_{2199} = \begin{bmatrix} 1063 \\ 0111 \end{bmatrix} \\
2118 &= \mathbf{PI}(5, 1, 3, 6, 2, 1) = L_{3459} = \begin{bmatrix} 1075 \\ 0143 \end{bmatrix} \\
2119 &= \mathbf{PI}(4, 2, 3, 6, 2, 1) = L_{4360} = \begin{bmatrix} 1037 \\ 0156 \end{bmatrix} \\
2120 &= \mathbf{PI}(3, 3, 3, 6, 2, 1) = L_{1501} = \begin{bmatrix} 1042 \\ 0115 \end{bmatrix} \\
2121 &= \mathbf{PI}(2, 4, 3, 6, 2, 1) = L_{2205} = \begin{bmatrix} 1063 \\ 0171 \end{bmatrix} \\
2122 &= \mathbf{PI}(1, 5, 3, 6, 2, 1) = L_{3596} = \begin{bmatrix} 1016 \\ 0132 \end{bmatrix} \\
2123 &= \mathbf{PI}(7, 6, 3, 6, 2, 1) = L_{2759} = \begin{bmatrix} 1054 \\ 0127 \end{bmatrix} \\
2124 &= \mathbf{PI}(6, 7, 3, 6, 2, 1) = L_{768} = \begin{bmatrix} 1021 \\ 0164 \end{bmatrix} \\
2125 &= \mathbf{PI}(0, 0, 4, 6, 2, 1) = L_{289} = \begin{bmatrix} 1300 \\ 0016 \end{bmatrix} \\
2126 &= \mathbf{PI}(1, 0, 4, 6, 2, 1) = L_{3597} = \begin{bmatrix} 1016 \\ 0142 \end{bmatrix} \\
2127 &= \mathbf{PI}(2, 0, 4, 6, 2, 1) = L_{2200} = \begin{bmatrix} 1063 \\ 0121 \end{bmatrix} \\
2128 &= \mathbf{PI}(3, 0, 4, 6, 2, 1) = L_{1507} = \begin{bmatrix} 1042 \\ 0175 \end{bmatrix} \\
2129 &= \mathbf{PI}(4, 0, 4, 6, 2, 1) = L_{4356} = \begin{bmatrix} 1037 \\ 0116 \end{bmatrix} \\
2130 &= \mathbf{PI}(5, 0, 4, 6, 2, 1) = L_{3461} = \begin{bmatrix} 1075 \\ 0163 \end{bmatrix} \\
2131 &= \mathbf{PI}(6, 0, 4, 6, 2, 1) = L_{767} = \begin{bmatrix} 1021 \\ 0154 \end{bmatrix} \\
2132 &= \mathbf{PI}(7, 0, 4, 6, 2, 1) = L_{2760} = \begin{bmatrix} 1054 \\ 0137 \end{bmatrix} \\
2133 &= \mathbf{PI}(0, 1, 4, 6, 2, 1) = L_{2041} = \begin{bmatrix} 1303 \\ 0016 \end{bmatrix} \\
2134 &= \mathbf{PI}(0, 2, 4, 6, 2, 1) = L_{3793} = \begin{bmatrix} 1306 \\ 0016 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2135 &= \mathbf{PI}(0, 3, 4, 6, 2, 1) = L_{3209} = \begin{bmatrix} 1305 \\ 0016 \end{bmatrix} \\
2136 &= \mathbf{PI}(0, 4, 4, 6, 2, 1) = L_{873} = \begin{bmatrix} 1301 \\ 0016 \end{bmatrix} \\
2137 &= \mathbf{PI}(0, 5, 4, 6, 2, 1) = L_{1457} = \begin{bmatrix} 1302 \\ 0016 \end{bmatrix} \\
2138 &= \mathbf{PI}(0, 6, 4, 6, 2, 1) = L_{4377} = \begin{bmatrix} 1307 \\ 0016 \end{bmatrix} \\
2139 &= \mathbf{PI}(0, 7, 4, 6, 2, 1) = L_{2625} = \begin{bmatrix} 1304 \\ 0016 \end{bmatrix} \\
2140 &= \mathbf{PI}(6, 1, 5, 6, 2, 1) = L_{769} = \begin{bmatrix} 1021 \\ 0174 \end{bmatrix} \\
2141 &= \mathbf{PI}(3, 2, 5, 6, 2, 1) = L_{1503} = \begin{bmatrix} 1042 \\ 0135 \end{bmatrix} \\
2142 &= \mathbf{PI}(2, 3, 5, 6, 2, 1) = L_{2202} = \begin{bmatrix} 1063 \\ 0141 \end{bmatrix} \\
2143 &= \mathbf{PI}(7, 4, 5, 6, 2, 1) = L_{2763} = \begin{bmatrix} 1054 \\ 0167 \end{bmatrix} \\
2144 &= \mathbf{PI}(5, 5, 5, 6, 2, 1) = L_{3456} = \begin{bmatrix} 1075 \\ 0113 \end{bmatrix} \\
2145 &= \mathbf{PI}(1, 6, 5, 6, 2, 1) = L_{3598} = \begin{bmatrix} 1016 \\ 0152 \end{bmatrix} \\
2146 &= \mathbf{PI}(4, 7, 5, 6, 2, 1) = L_{4357} = \begin{bmatrix} 1037 \\ 0126 \end{bmatrix} \\
2147 &= \mathbf{PI}(1, 1, 6, 6, 2, 1) = L_{3599} = \begin{bmatrix} 1016 \\ 0162 \end{bmatrix} \\
2148 &= \mathbf{PI}(6, 2, 6, 6, 2, 1) = L_{763} = \begin{bmatrix} 1021 \\ 0114 \end{bmatrix} \\
2149 &= \mathbf{PI}(4, 3, 6, 6, 2, 1) = L_{4362} = \begin{bmatrix} 1037 \\ 0176 \end{bmatrix} \\
2150 &= \mathbf{PI}(3, 4, 6, 6, 2, 1) = L_{1502} = \begin{bmatrix} 1042 \\ 0125 \end{bmatrix} \\
2151 &= \mathbf{PI}(7, 5, 6, 6, 2, 1) = L_{2761} = \begin{bmatrix} 1054 \\ 0147 \end{bmatrix} \\
2152 &= \mathbf{PI}(2, 6, 6, 6, 2, 1) = L_{2201} = \begin{bmatrix} 1063 \\ 0131 \end{bmatrix} \\
2153 &= \mathbf{PI}(5, 7, 6, 6, 2, 1) = L_{3460} = \begin{bmatrix} 1075 \\ 0153 \end{bmatrix} \\
2154 &= \mathbf{PI}(7, 1, 7, 6, 2, 1) = L_{2758} = \begin{bmatrix} 1054 \\ 0117 \end{bmatrix} \\
2155 &= \mathbf{PI}(5, 2, 7, 6, 2, 1) = L_{3457} = \begin{bmatrix} 1075 \\ 0123 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2156 &= \mathbf{PI}(6, 3, 7, 6, 2, 1) = L_{765} = \begin{bmatrix} 1021 \\ 0134 \end{bmatrix} \\
2157 &= \mathbf{PI}(4, 4, 7, 6, 2, 1) = L_{4359} = \begin{bmatrix} 1037 \\ 0146 \end{bmatrix} \\
2158 &= \mathbf{PI}(2, 5, 7, 6, 2, 1) = L_{2203} = \begin{bmatrix} 1063 \\ 0151 \end{bmatrix} \\
2159 &= \mathbf{PI}(3, 6, 7, 6, 2, 1) = L_{1506} = \begin{bmatrix} 1042 \\ 0165 \end{bmatrix} \\
2160 &= \mathbf{PI}(1, 7, 7, 6, 2, 1) = L_{3600} = \begin{bmatrix} 1016 \\ 0172 \end{bmatrix} \\
2161 &= \mathbf{PI}(2, 1, 0, 7, 2, 1) = L_{3366} = \begin{bmatrix} 1065 \\ 0101 \end{bmatrix} \\
2162 &= \mathbf{PI}(1, 2, 0, 7, 2, 1) = L_{4177} = \begin{bmatrix} 1017 \\ 0102 \end{bmatrix} \\
2163 &= \mathbf{PI}(5, 3, 0, 7, 2, 1) = L_{1703} = \begin{bmatrix} 1072 \\ 0103 \end{bmatrix} \\
2164 &= \mathbf{PI}(6, 4, 0, 7, 2, 1) = L_{1930} = \begin{bmatrix} 1023 \\ 0104 \end{bmatrix} \\
2165 &= \mathbf{PI}(3, 5, 0, 7, 2, 1) = L_{3836} = \begin{bmatrix} 1046 \\ 0105 \end{bmatrix} \\
2166 &= \mathbf{PI}(4, 6, 0, 7, 2, 1) = L_{2603} = \begin{bmatrix} 1034 \\ 0106 \end{bmatrix} \\
2167 &= \mathbf{PI}(7, 7, 0, 7, 2, 1) = L_{1005} = \begin{bmatrix} 1051 \\ 0107 \end{bmatrix} \\
2168 &= \mathbf{PI}(5, 1, 1, 7, 2, 1) = L_{1710} = \begin{bmatrix} 1072 \\ 0173 \end{bmatrix} \\
2169 &= \mathbf{PI}(4, 2, 1, 7, 2, 1) = L_{2606} = \begin{bmatrix} 1034 \\ 0136 \end{bmatrix} \\
2170 &= \mathbf{PI}(3, 3, 1, 7, 2, 1) = L_{3840} = \begin{bmatrix} 1046 \\ 0145 \end{bmatrix} \\
2171 &= \mathbf{PI}(2, 4, 1, 7, 2, 1) = L_{3372} = \begin{bmatrix} 1065 \\ 0161 \end{bmatrix} \\
2172 &= \mathbf{PI}(1, 5, 1, 7, 2, 1) = L_{4178} = \begin{bmatrix} 1017 \\ 0112 \end{bmatrix} \\
2173 &= \mathbf{PI}(7, 6, 1, 7, 2, 1) = L_{1010} = \begin{bmatrix} 1051 \\ 0157 \end{bmatrix} \\
2174 &= \mathbf{PI}(6, 7, 1, 7, 2, 1) = L_{1932} = \begin{bmatrix} 1023 \\ 0124 \end{bmatrix} \\
2175 &= \mathbf{PI}(1, 1, 2, 7, 2, 1) = L_{4179} = \begin{bmatrix} 1017 \\ 0122 \end{bmatrix} \\
2176 &= \mathbf{PI}(6, 2, 2, 7, 2, 1) = L_{1934} = \begin{bmatrix} 1023 \\ 0144 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2177 &= \mathbf{PI}(4, 3, 2, 7, 2, 1) = L_{2609} = \begin{bmatrix} 1034 \\ 0166 \end{bmatrix} \\
2178 &= \mathbf{PI}(3, 4, 2, 7, 2, 1) = L_{3841} = \begin{bmatrix} 1046 \\ 0155 \end{bmatrix} \\
2179 &= \mathbf{PI}(7, 5, 2, 7, 2, 1) = L_{1012} = \begin{bmatrix} 1051 \\ 0177 \end{bmatrix} \\
2180 &= \mathbf{PI}(2, 6, 2, 7, 2, 1) = L_{3367} = \begin{bmatrix} 1065 \\ 0111 \end{bmatrix} \\
2181 &= \mathbf{PI}(5, 7, 2, 7, 2, 1) = L_{1706} = \begin{bmatrix} 1072 \\ 0133 \end{bmatrix} \\
2182 &= \mathbf{PI}(6, 1, 3, 7, 2, 1) = L_{1936} = \begin{bmatrix} 1023 \\ 0164 \end{bmatrix} \\
2183 &= \mathbf{PI}(3, 2, 3, 7, 2, 1) = L_{3837} = \begin{bmatrix} 1046 \\ 0115 \end{bmatrix} \\
2184 &= \mathbf{PI}(2, 3, 3, 7, 2, 1) = L_{3373} = \begin{bmatrix} 1065 \\ 0171 \end{bmatrix} \\
2185 &= \mathbf{PI}(7, 4, 3, 7, 2, 1) = L_{1007} = \begin{bmatrix} 1051 \\ 0127 \end{bmatrix} \\
2186 &= \mathbf{PI}(5, 5, 3, 7, 2, 1) = L_{1707} = \begin{bmatrix} 1072 \\ 0143 \end{bmatrix} \\
2187 &= \mathbf{PI}(1, 6, 3, 7, 2, 1) = L_{4180} = \begin{bmatrix} 1017 \\ 0132 \end{bmatrix} \\
2188 &= \mathbf{PI}(4, 7, 3, 7, 2, 1) = L_{2608} = \begin{bmatrix} 1034 \\ 0156 \end{bmatrix} \\
2189 &= \mathbf{PI}(4, 1, 4, 7, 2, 1) = L_{2604} = \begin{bmatrix} 1034 \\ 0116 \end{bmatrix} \\
2190 &= \mathbf{PI}(2, 2, 4, 7, 2, 1) = L_{3368} = \begin{bmatrix} 1065 \\ 0121 \end{bmatrix} \\
2191 &= \mathbf{PI}(7, 3, 4, 7, 2, 1) = L_{1008} = \begin{bmatrix} 1051 \\ 0137 \end{bmatrix} \\
2192 &= \mathbf{PI}(1, 4, 4, 7, 2, 1) = L_{4181} = \begin{bmatrix} 1017 \\ 0142 \end{bmatrix} \\
2193 &= \mathbf{PI}(6, 5, 4, 7, 2, 1) = L_{1935} = \begin{bmatrix} 1023 \\ 0154 \end{bmatrix} \\
2194 &= \mathbf{PI}(5, 6, 4, 7, 2, 1) = L_{1709} = \begin{bmatrix} 1072 \\ 0163 \end{bmatrix} \\
2195 &= \mathbf{PI}(3, 7, 4, 7, 2, 1) = L_{3843} = \begin{bmatrix} 1046 \\ 0175 \end{bmatrix} \\
2196 &= \mathbf{PI}(3, 1, 5, 7, 2, 1) = L_{3839} = \begin{bmatrix} 1046 \\ 0135 \end{bmatrix} \\
2197 &= \mathbf{PI}(7, 2, 5, 7, 2, 1) = L_{1011} = \begin{bmatrix} 1051 \\ 0167 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
2198 &= \mathbf{PI}(1, 3, 5, 7, 2, 1) = L_{4182} = \begin{bmatrix} 1017 \\ 0152 \end{bmatrix} \\
2199 &= \mathbf{PI}(5, 4, 5, 7, 2, 1) = L_{1704} = \begin{bmatrix} 1072 \\ 0113 \end{bmatrix} \\
2200 &= \mathbf{PI}(4, 5, 5, 7, 2, 1) = L_{2605} = \begin{bmatrix} 1034 \\ 0126 \end{bmatrix} \\
2201 &= \mathbf{PI}(6, 6, 5, 7, 2, 1) = L_{1937} = \begin{bmatrix} 1023 \\ 0174 \end{bmatrix} \\
2202 &= \mathbf{PI}(2, 7, 5, 7, 2, 1) = L_{3370} = \begin{bmatrix} 1065 \\ 0141 \end{bmatrix} \\
2203 &= \mathbf{PI}(7, 1, 6, 7, 2, 1) = L_{1009} = \begin{bmatrix} 1051 \\ 0147 \end{bmatrix} \\
2204 &= \mathbf{PI}(5, 2, 6, 7, 2, 1) = L_{1708} = \begin{bmatrix} 1072 \\ 0153 \end{bmatrix} \\
2205 &= \mathbf{PI}(6, 3, 6, 7, 2, 1) = L_{1931} = \begin{bmatrix} 1023 \\ 0114 \end{bmatrix} \\
2206 &= \mathbf{PI}(4, 4, 6, 7, 2, 1) = L_{2610} = \begin{bmatrix} 1034 \\ 0176 \end{bmatrix} \\
2207 &= \mathbf{PI}(2, 5, 6, 7, 2, 1) = L_{3369} = \begin{bmatrix} 1065 \\ 0131 \end{bmatrix} \\
2208 &= \mathbf{PI}(3, 6, 6, 7, 2, 1) = L_{3838} = \begin{bmatrix} 1046 \\ 0125 \end{bmatrix} \\
2209 &= \mathbf{PI}(1, 7, 6, 7, 2, 1) = L_{4183} = \begin{bmatrix} 1017 \\ 0162 \end{bmatrix} \\
2210 &= \mathbf{PI}(0, 0, 7, 7, 2, 1) = L_{436} = \begin{bmatrix} 1500 \\ 0017 \end{bmatrix} \\
2211 &= \mathbf{PI}(1, 0, 7, 7, 2, 1) = L_{4184} = \begin{bmatrix} 1017 \\ 0172 \end{bmatrix} \\
2212 &= \mathbf{PI}(2, 0, 7, 7, 2, 1) = L_{3371} = \begin{bmatrix} 1065 \\ 0151 \end{bmatrix} \\
2213 &= \mathbf{PI}(3, 0, 7, 7, 2, 1) = L_{3842} = \begin{bmatrix} 1046 \\ 0165 \end{bmatrix} \\
2214 &= \mathbf{PI}(4, 0, 7, 7, 2, 1) = L_{2607} = \begin{bmatrix} 1034 \\ 0146 \end{bmatrix} \\
2215 &= \mathbf{PI}(5, 0, 7, 7, 2, 1) = L_{1705} = \begin{bmatrix} 1072 \\ 0123 \end{bmatrix} \\
2216 &= \mathbf{PI}(6, 0, 7, 7, 2, 1) = L_{1933} = \begin{bmatrix} 1023 \\ 0134 \end{bmatrix} \\
2217 &= \mathbf{PI}(7, 0, 7, 7, 2, 1) = L_{1006} = \begin{bmatrix} 1051 \\ 0117 \end{bmatrix} \\
2218 &= \mathbf{PI}(0, 1, 7, 7, 2, 1) = L_{3356} = \begin{bmatrix} 1505 \\ 0017 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2219 &= \mathbf{PI}(0, 2, 7, 7, 2, 1) = L_{4524} = \begin{bmatrix} 1507 \\ 0017 \end{bmatrix} \\
2220 &= \mathbf{PI}(0, 3, 7, 7, 2, 1) = L_{1604} = \begin{bmatrix} 1502 \\ 0017 \end{bmatrix} \\
2221 &= \mathbf{PI}(0, 4, 7, 7, 2, 1) = L_{2188} = \begin{bmatrix} 1503 \\ 0017 \end{bmatrix} \\
2222 &= \mathbf{PI}(0, 5, 7, 7, 2, 1) = L_{3940} = \begin{bmatrix} 1506 \\ 0017 \end{bmatrix} \\
2223 &= \mathbf{PI}(0, 6, 7, 7, 2, 1) = L_{2772} = \begin{bmatrix} 1504 \\ 0017 \end{bmatrix} \\
2224 &= \mathbf{PI}(0, 7, 7, 7, 2, 1) = L_{1020} = \begin{bmatrix} 1501 \\ 0017 \end{bmatrix} \\
2225 &= \mathbf{PI}(3, 1, 0, 0, 3, 1) = L_{300} = \begin{bmatrix} 1040 \\ 0101 \end{bmatrix} \\
2226 &= \mathbf{PI}(7, 2, 0, 0, 3, 1) = L_{381} = \begin{bmatrix} 1050 \\ 0102 \end{bmatrix} \\
2227 &= \mathbf{PI}(1, 3, 0, 0, 3, 1) = L_{97} = \begin{bmatrix} 1010 \\ 0103 \end{bmatrix} \\
2228 &= \mathbf{PI}(5, 4, 0, 0, 3, 1) = L_{543} = \begin{bmatrix} 1070 \\ 0104 \end{bmatrix} \\
2229 &= \mathbf{PI}(4, 5, 0, 0, 3, 1) = L_{259} = \begin{bmatrix} 1030 \\ 0105 \end{bmatrix} \\
2230 &= \mathbf{PI}(6, 6, 0, 0, 3, 1) = L_{194} = \begin{bmatrix} 1020 \\ 0106 \end{bmatrix} \\
2231 &= \mathbf{PI}(2, 7, 0, 0, 3, 1) = L_{494} = \begin{bmatrix} 1060 \\ 0107 \end{bmatrix} \\
2232 &= \mathbf{PI}(3, 1, 1, 0, 3, 1) = L_{304} = \begin{bmatrix} 1040 \\ 0141 \end{bmatrix} \\
2233 &= \mathbf{PI}(7, 2, 1, 0, 3, 1) = L_{386} = \begin{bmatrix} 1050 \\ 0152 \end{bmatrix} \\
2234 &= \mathbf{PI}(1, 3, 1, 0, 3, 1) = L_{98} = \begin{bmatrix} 1010 \\ 0113 \end{bmatrix} \\
2235 &= \mathbf{PI}(5, 4, 1, 0, 3, 1) = L_{550} = \begin{bmatrix} 1070 \\ 0174 \end{bmatrix} \\
2236 &= \mathbf{PI}(4, 5, 1, 0, 3, 1) = L_{262} = \begin{bmatrix} 1030 \\ 0135 \end{bmatrix} \\
2237 &= \mathbf{PI}(6, 6, 1, 0, 3, 1) = L_{196} = \begin{bmatrix} 1020 \\ 0126 \end{bmatrix} \\
2238 &= \mathbf{PI}(2, 7, 1, 0, 3, 1) = L_{500} = \begin{bmatrix} 1060 \\ 0167 \end{bmatrix} \\
2239 &= \mathbf{PI}(3, 1, 2, 0, 3, 1) = L_{305} = \begin{bmatrix} 1040 \\ 0151 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2240 &= \mathbf{PI}(7, 2, 2, 0, 3, 1) = L_{388} = \begin{bmatrix} 1050 \\ 0172 \end{bmatrix} \\
2241 &= \mathbf{PI}(1, 3, 2, 0, 3, 1) = L_{99} = \begin{bmatrix} 1010 \\ 0123 \end{bmatrix} \\
2242 &= \mathbf{PI}(5, 4, 2, 0, 3, 1) = L_{546} = \begin{bmatrix} 1070 \\ 0134 \end{bmatrix} \\
2243 &= \mathbf{PI}(4, 5, 2, 0, 3, 1) = L_{265} = \begin{bmatrix} 1030 \\ 0165 \end{bmatrix} \\
2244 &= \mathbf{PI}(6, 6, 2, 0, 3, 1) = L_{198} = \begin{bmatrix} 1020 \\ 0146 \end{bmatrix} \\
2245 &= \mathbf{PI}(2, 7, 2, 0, 3, 1) = L_{495} = \begin{bmatrix} 1060 \\ 0117 \end{bmatrix} \\
2246 &= \mathbf{PI}(3, 1, 3, 0, 3, 1) = L_{301} = \begin{bmatrix} 1040 \\ 0111 \end{bmatrix} \\
2247 &= \mathbf{PI}(7, 2, 3, 0, 3, 1) = L_{383} = \begin{bmatrix} 1050 \\ 0122 \end{bmatrix} \\
2248 &= \mathbf{PI}(1, 3, 3, 0, 3, 1) = L_{100} = \begin{bmatrix} 1010 \\ 0133 \end{bmatrix} \\
2249 &= \mathbf{PI}(5, 4, 3, 0, 3, 1) = L_{547} = \begin{bmatrix} 1070 \\ 0144 \end{bmatrix} \\
2250 &= \mathbf{PI}(4, 5, 3, 0, 3, 1) = L_{264} = \begin{bmatrix} 1030 \\ 0155 \end{bmatrix} \\
2251 &= \mathbf{PI}(6, 6, 3, 0, 3, 1) = L_{200} = \begin{bmatrix} 1020 \\ 0166 \end{bmatrix} \\
2252 &= \mathbf{PI}(2, 7, 3, 0, 3, 1) = L_{501} = \begin{bmatrix} 1060 \\ 0177 \end{bmatrix} \\
2253 &= \mathbf{PI}(3, 1, 4, 0, 3, 1) = L_{307} = \begin{bmatrix} 1040 \\ 0171 \end{bmatrix} \\
2254 &= \mathbf{PI}(7, 2, 4, 0, 3, 1) = L_{384} = \begin{bmatrix} 1050 \\ 0132 \end{bmatrix} \\
2255 &= \mathbf{PI}(1, 3, 4, 0, 3, 1) = L_{101} = \begin{bmatrix} 1010 \\ 0143 \end{bmatrix} \\
2256 &= \mathbf{PI}(5, 4, 4, 0, 3, 1) = L_{549} = \begin{bmatrix} 1070 \\ 0164 \end{bmatrix} \\
2257 &= \mathbf{PI}(4, 5, 4, 0, 3, 1) = L_{260} = \begin{bmatrix} 1030 \\ 0115 \end{bmatrix} \\
2258 &= \mathbf{PI}(6, 6, 4, 0, 3, 1) = L_{199} = \begin{bmatrix} 1020 \\ 0156 \end{bmatrix} \\
2259 &= \mathbf{PI}(2, 7, 4, 0, 3, 1) = L_{496} = \begin{bmatrix} 1060 \\ 0127 \end{bmatrix} \\
2260 &= \mathbf{PI}(3, 1, 5, 0, 3, 1) = L_{303} = \begin{bmatrix} 1040 \\ 0131 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2261 &= \mathbf{PI}(7, 2, 5, 0, 3, 1) = L_{387} = \begin{bmatrix} 1050 \\ 0162 \end{bmatrix} \\
2262 &= \mathbf{PI}(1, 3, 5, 0, 3, 1) = L_{102} = \begin{bmatrix} 1010 \\ 0153 \end{bmatrix} \\
2263 &= \mathbf{PI}(5, 4, 5, 0, 3, 1) = L_{544} = \begin{bmatrix} 1070 \\ 0114 \end{bmatrix} \\
2264 &= \mathbf{PI}(4, 5, 5, 0, 3, 1) = L_{261} = \begin{bmatrix} 1030 \\ 0125 \end{bmatrix} \\
2265 &= \mathbf{PI}(6, 6, 5, 0, 3, 1) = L_{201} = \begin{bmatrix} 1020 \\ 0176 \end{bmatrix} \\
2266 &= \mathbf{PI}(2, 7, 5, 0, 3, 1) = L_{498} = \begin{bmatrix} 1060 \\ 0147 \end{bmatrix} \\
2267 &= \mathbf{PI}(3, 1, 6, 0, 3, 1) = L_{302} = \begin{bmatrix} 1040 \\ 0121 \end{bmatrix} \\
2268 &= \mathbf{PI}(7, 2, 6, 0, 3, 1) = L_{385} = \begin{bmatrix} 1050 \\ 0142 \end{bmatrix} \\
2269 &= \mathbf{PI}(1, 3, 6, 0, 3, 1) = L_{103} = \begin{bmatrix} 1010 \\ 0163 \end{bmatrix} \\
2270 &= \mathbf{PI}(5, 4, 6, 0, 3, 1) = L_{548} = \begin{bmatrix} 1070 \\ 0154 \end{bmatrix} \\
2271 &= \mathbf{PI}(4, 5, 6, 0, 3, 1) = L_{266} = \begin{bmatrix} 1030 \\ 0175 \end{bmatrix} \\
2272 &= \mathbf{PI}(6, 6, 6, 0, 3, 1) = L_{195} = \begin{bmatrix} 1020 \\ 0116 \end{bmatrix} \\
2273 &= \mathbf{PI}(2, 7, 6, 0, 3, 1) = L_{497} = \begin{bmatrix} 1060 \\ 0137 \end{bmatrix} \\
2274 &= \mathbf{PI}(3, 1, 7, 0, 3, 1) = L_{306} = \begin{bmatrix} 1040 \\ 0161 \end{bmatrix} \\
2275 &= \mathbf{PI}(7, 2, 7, 0, 3, 1) = L_{382} = \begin{bmatrix} 1050 \\ 0112 \end{bmatrix} \\
2276 &= \mathbf{PI}(1, 3, 7, 0, 3, 1) = L_{104} = \begin{bmatrix} 1010 \\ 0173 \end{bmatrix} \\
2277 &= \mathbf{PI}(5, 4, 7, 0, 3, 1) = L_{545} = \begin{bmatrix} 1070 \\ 0124 \end{bmatrix} \\
2278 &= \mathbf{PI}(4, 5, 7, 0, 3, 1) = L_{263} = \begin{bmatrix} 1030 \\ 0145 \end{bmatrix} \\
2279 &= \mathbf{PI}(6, 6, 7, 0, 3, 1) = L_{197} = \begin{bmatrix} 1020 \\ 0136 \end{bmatrix} \\
2280 &= \mathbf{PI}(2, 7, 7, 0, 3, 1) = L_{499} = \begin{bmatrix} 1060 \\ 0157 \end{bmatrix} \\
2281 &= \mathbf{PI}(3, 1, 0, 1, 3, 1) = L_{2636} = \begin{bmatrix} 1044 \\ 0101 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2282 &= \mathbf{PI}(7, 2, 0, 1, 3, 1) = L_{3301} = \begin{bmatrix} 1055 \\ 0102 \end{bmatrix} \\
2283 &= \mathbf{PI}(1, 3, 0, 1, 3, 1) = L_{681} = \begin{bmatrix} 1011 \\ 0103 \end{bmatrix} \\
2284 &= \mathbf{PI}(5, 4, 0, 1, 3, 1) = L_{4631} = \begin{bmatrix} 1077 \\ 0104 \end{bmatrix} \\
2285 &= \mathbf{PI}(4, 5, 0, 1, 3, 1) = L_{2011} = \begin{bmatrix} 1033 \\ 0105 \end{bmatrix} \\
2286 &= \mathbf{PI}(6, 6, 0, 1, 3, 1) = L_{1362} = \begin{bmatrix} 1022 \\ 0106 \end{bmatrix} \\
2287 &= \mathbf{PI}(2, 7, 0, 1, 3, 1) = L_{3998} = \begin{bmatrix} 1066 \\ 0107 \end{bmatrix} \\
2288 &= \mathbf{PI}(2, 1, 1, 1, 3, 1) = L_{4004} = \begin{bmatrix} 1066 \\ 0167 \end{bmatrix} \\
2289 &= \mathbf{PI}(1, 2, 1, 1, 3, 1) = L_{682} = \begin{bmatrix} 1011 \\ 0113 \end{bmatrix} \\
2290 &= \mathbf{PI}(5, 3, 1, 1, 3, 1) = L_{4638} = \begin{bmatrix} 1077 \\ 0174 \end{bmatrix} \\
2291 &= \mathbf{PI}(6, 4, 1, 1, 3, 1) = L_{1364} = \begin{bmatrix} 1022 \\ 0126 \end{bmatrix} \\
2292 &= \mathbf{PI}(3, 5, 1, 1, 3, 1) = L_{2640} = \begin{bmatrix} 1044 \\ 0141 \end{bmatrix} \\
2293 &= \mathbf{PI}(4, 6, 1, 1, 3, 1) = L_{2014} = \begin{bmatrix} 1033 \\ 0135 \end{bmatrix} \\
2294 &= \mathbf{PI}(7, 7, 1, 1, 3, 1) = L_{3306} = \begin{bmatrix} 1055 \\ 0152 \end{bmatrix} \\
2295 &= \mathbf{PI}(1, 1, 2, 1, 3, 1) = L_{683} = \begin{bmatrix} 1011 \\ 0123 \end{bmatrix} \\
2296 &= \mathbf{PI}(6, 2, 2, 1, 3, 1) = L_{1366} = \begin{bmatrix} 1022 \\ 0146 \end{bmatrix} \\
2297 &= \mathbf{PI}(4, 3, 2, 1, 3, 1) = L_{2017} = \begin{bmatrix} 1033 \\ 0165 \end{bmatrix} \\
2298 &= \mathbf{PI}(3, 4, 2, 1, 3, 1) = L_{2641} = \begin{bmatrix} 1044 \\ 0151 \end{bmatrix} \\
2299 &= \mathbf{PI}(7, 5, 2, 1, 3, 1) = L_{3308} = \begin{bmatrix} 1055 \\ 0172 \end{bmatrix} \\
2300 &= \mathbf{PI}(2, 6, 2, 1, 3, 1) = L_{3999} = \begin{bmatrix} 1066 \\ 0117 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2301 &= \mathbf{PI}(5, 7, 2, 1, 3, 1) = L_{4634} = \begin{bmatrix} 1077 \\ 0134 \end{bmatrix} \\
2302 &= \mathbf{PI}(0, 0, 3, 1, 3, 1) = L_{357} = \begin{bmatrix} 1400 \\ 0011 \end{bmatrix} \\
2303 &= \mathbf{PI}(1, 0, 3, 1, 3, 1) = L_{684} = \begin{bmatrix} 1011 \\ 0133 \end{bmatrix} \\
2304 &= \mathbf{PI}(2, 0, 3, 1, 3, 1) = L_{4005} = \begin{bmatrix} 1066 \\ 0177 \end{bmatrix} \\
2305 &= \mathbf{PI}(3, 0, 3, 1, 3, 1) = L_{2637} = \begin{bmatrix} 1044 \\ 0111 \end{bmatrix} \\
2306 &= \mathbf{PI}(4, 0, 3, 1, 3, 1) = L_{2016} = \begin{bmatrix} 1033 \\ 0155 \end{bmatrix} \\
2307 &= \mathbf{PI}(5, 0, 3, 1, 3, 1) = L_{4635} = \begin{bmatrix} 1077 \\ 0144 \end{bmatrix} \\
2308 &= \mathbf{PI}(6, 0, 3, 1, 3, 1) = L_{1368} = \begin{bmatrix} 1022 \\ 0166 \end{bmatrix} \\
2309 &= \mathbf{PI}(7, 0, 3, 1, 3, 1) = L_{3303} = \begin{bmatrix} 1055 \\ 0122 \end{bmatrix} \\
2310 &= \mathbf{PI}(0, 1, 3, 1, 3, 1) = L_{2693} = \begin{bmatrix} 1404 \\ 0011 \end{bmatrix} \\
2311 &= \mathbf{PI}(0, 2, 3, 1, 3, 1) = L_{3277} = \begin{bmatrix} 1405 \\ 0011 \end{bmatrix} \\
2312 &= \mathbf{PI}(0, 3, 3, 1, 3, 1) = L_{941} = \begin{bmatrix} 1401 \\ 0011 \end{bmatrix} \\
2313 &= \mathbf{PI}(0, 4, 3, 1, 3, 1) = L_{4445} = \begin{bmatrix} 1407 \\ 0011 \end{bmatrix} \\
2314 &= \mathbf{PI}(0, 5, 3, 1, 3, 1) = L_{2109} = \begin{bmatrix} 1403 \\ 0011 \end{bmatrix} \\
2315 &= \mathbf{PI}(0, 6, 3, 1, 3, 1) = L_{1525} = \begin{bmatrix} 1402 \\ 0011 \end{bmatrix} \\
2316 &= \mathbf{PI}(0, 7, 3, 1, 3, 1) = L_{3861} = \begin{bmatrix} 1406 \\ 0011 \end{bmatrix} \\
2317 &= \mathbf{PI}(7, 1, 4, 1, 3, 1) = L_{3304} = \begin{bmatrix} 1055 \\ 0132 \end{bmatrix} \\
2318 &= \mathbf{PI}(5, 2, 4, 1, 3, 1) = L_{4637} = \begin{bmatrix} 1077 \\ 0164 \end{bmatrix} \\
2319 &= \mathbf{PI}(6, 3, 4, 1, 3, 1) = L_{1367} = \begin{bmatrix} 1022 \\ 0156 \end{bmatrix} \\
2320 &= \mathbf{PI}(4, 4, 4, 1, 3, 1) = L_{2012} = \begin{bmatrix} 1033 \\ 0115 \end{bmatrix} \\
2321 &= \mathbf{PI}(2, 5, 4, 1, 3, 1) = L_{4000} = \begin{bmatrix} 1066 \\ 0127 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2322 &= \mathbf{PI}(3, 6, 4, 1, 3, 1) = L_{2643} = \begin{bmatrix} 1044 \\ 0171 \end{bmatrix} \\
2323 &= \mathbf{PI}(1, 7, 4, 1, 3, 1) = L_{685} = \begin{bmatrix} 1011 \\ 0143 \end{bmatrix} \\
2324 &= \mathbf{PI}(6, 1, 5, 1, 3, 1) = L_{1369} = \begin{bmatrix} 1022 \\ 0176 \end{bmatrix} \\
2325 &= \mathbf{PI}(3, 2, 5, 1, 3, 1) = L_{2639} = \begin{bmatrix} 1044 \\ 0131 \end{bmatrix} \\
2326 &= \mathbf{PI}(2, 3, 5, 1, 3, 1) = L_{4002} = \begin{bmatrix} 1066 \\ 0147 \end{bmatrix} \\
2327 &= \mathbf{PI}(7, 4, 5, 1, 3, 1) = L_{3307} = \begin{bmatrix} 1055 \\ 0162 \end{bmatrix} \\
2328 &= \mathbf{PI}(5, 5, 5, 1, 3, 1) = L_{4632} = \begin{bmatrix} 1077 \\ 0114 \end{bmatrix} \\
2329 &= \mathbf{PI}(1, 6, 5, 1, 3, 1) = L_{686} = \begin{bmatrix} 1011 \\ 0153 \end{bmatrix} \\
2330 &= \mathbf{PI}(4, 7, 5, 1, 3, 1) = L_{2013} = \begin{bmatrix} 1033 \\ 0125 \end{bmatrix} \\
2331 &= \mathbf{PI}(5, 1, 6, 1, 3, 1) = L_{4636} = \begin{bmatrix} 1077 \\ 0154 \end{bmatrix} \\
2332 &= \mathbf{PI}(4, 2, 6, 1, 3, 1) = L_{2018} = \begin{bmatrix} 1033 \\ 0175 \end{bmatrix} \\
2333 &= \mathbf{PI}(3, 3, 6, 1, 3, 1) = L_{2638} = \begin{bmatrix} 1044 \\ 0121 \end{bmatrix} \\
2334 &= \mathbf{PI}(2, 4, 6, 1, 3, 1) = L_{4001} = \begin{bmatrix} 1066 \\ 0137 \end{bmatrix} \\
2335 &= \mathbf{PI}(1, 5, 6, 1, 3, 1) = L_{687} = \begin{bmatrix} 1011 \\ 0163 \end{bmatrix} \\
2336 &= \mathbf{PI}(7, 6, 6, 1, 3, 1) = L_{3305} = \begin{bmatrix} 1055 \\ 0142 \end{bmatrix} \\
2337 &= \mathbf{PI}(6, 7, 6, 1, 3, 1) = L_{1363} = \begin{bmatrix} 1022 \\ 0116 \end{bmatrix} \\
2338 &= \mathbf{PI}(4, 1, 7, 1, 3, 1) = L_{2015} = \begin{bmatrix} 1033 \\ 0145 \end{bmatrix} \\
2339 &= \mathbf{PI}(2, 2, 7, 1, 3, 1) = L_{4003} = \begin{bmatrix} 1066 \\ 0157 \end{bmatrix} \\
2340 &= \mathbf{PI}(7, 3, 7, 1, 3, 1) = L_{3302} = \begin{bmatrix} 1055 \\ 0112 \end{bmatrix} \\
2341 &= \mathbf{PI}(1, 4, 7, 1, 3, 1) = L_{688} = \begin{bmatrix} 1011 \\ 0173 \end{bmatrix} \\
2342 &= \mathbf{PI}(6, 5, 7, 1, 3, 1) = L_{1365} = \begin{bmatrix} 1022 \\ 0136 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2343 &= \mathbf{PI}(5, 6, 7, 1, 3, 1) = L_{4633} = \begin{bmatrix} 1077 \\ 0124 \end{bmatrix} \\
2344 &= \mathbf{PI}(3, 7, 7, 1, 3, 1) = L_{2642} = \begin{bmatrix} 1044 \\ 0161 \end{bmatrix} \\
2345 &= \mathbf{PI}(3, 1, 0, 2, 3, 1) = L_{3220} = \begin{bmatrix} 1045 \\ 0101 \end{bmatrix} \\
2346 &= \mathbf{PI}(7, 2, 0, 2, 3, 1) = L_{4469} = \begin{bmatrix} 1057 \\ 0102 \end{bmatrix} \\
2347 &= \mathbf{PI}(1, 3, 0, 2, 3, 1) = L_{1265} = \begin{bmatrix} 1012 \\ 0103 \end{bmatrix} \\
2348 &= \mathbf{PI}(5, 4, 0, 2, 3, 1) = L_{2295} = \begin{bmatrix} 1073 \\ 0104 \end{bmatrix} \\
2349 &= \mathbf{PI}(4, 5, 0, 2, 3, 1) = L_{3763} = \begin{bmatrix} 1036 \\ 0105 \end{bmatrix} \\
2350 &= \mathbf{PI}(6, 6, 0, 2, 3, 1) = L_{2530} = \begin{bmatrix} 1024 \\ 0106 \end{bmatrix} \\
2351 &= \mathbf{PI}(2, 7, 0, 2, 3, 1) = L_{1078} = \begin{bmatrix} 1061 \\ 0107 \end{bmatrix} \\
2352 &= \mathbf{PI}(1, 1, 1, 2, 3, 1) = L_{1266} = \begin{bmatrix} 1012 \\ 0113 \end{bmatrix} \\
2353 &= \mathbf{PI}(6, 2, 1, 2, 3, 1) = L_{2532} = \begin{bmatrix} 1024 \\ 0126 \end{bmatrix} \\
2354 &= \mathbf{PI}(4, 3, 1, 2, 3, 1) = L_{3766} = \begin{bmatrix} 1036 \\ 0135 \end{bmatrix} \\
2355 &= \mathbf{PI}(3, 4, 1, 2, 3, 1) = L_{3224} = \begin{bmatrix} 1045 \\ 0141 \end{bmatrix} \\
2356 &= \mathbf{PI}(7, 5, 1, 2, 3, 1) = L_{4474} = \begin{bmatrix} 1057 \\ 0152 \end{bmatrix} \\
2357 &= \mathbf{PI}(2, 6, 1, 2, 3, 1) = L_{1084} = \begin{bmatrix} 1061 \\ 0167 \end{bmatrix} \\
2358 &= \mathbf{PI}(5, 7, 1, 2, 3, 1) = L_{2302} = \begin{bmatrix} 1073 \\ 0174 \end{bmatrix} \\
2359 &= \mathbf{PI}(7, 1, 2, 2, 3, 1) = L_{4476} = \begin{bmatrix} 1057 \\ 0172 \end{bmatrix} \\
2360 &= \mathbf{PI}(5, 2, 2, 2, 3, 1) = L_{2298} = \begin{bmatrix} 1073 \\ 0134 \end{bmatrix} \\
2361 &= \mathbf{PI}(6, 3, 2, 2, 3, 1) = L_{2534} = \begin{bmatrix} 1024 \\ 0146 \end{bmatrix} \\
2362 &= \mathbf{PI}(4, 4, 2, 2, 3, 1) = L_{3769} = \begin{bmatrix} 1036 \\ 0165 \end{bmatrix} \\
2363 &= \mathbf{PI}(2, 5, 2, 2, 3, 1) = L_{1079} = \begin{bmatrix} 1061 \\ 0117 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
2364 &= \mathbf{PI}(3, 6, 2, 2, 3, 1) = L_{3225} = \begin{bmatrix} 1045 \\ 0151 \end{bmatrix} \\
2365 &= \mathbf{PI}(1, 7, 2, 2, 3, 1) = L_{1267} = \begin{bmatrix} 1012 \\ 0123 \end{bmatrix} \\
2366 &= \mathbf{PI}(5, 1, 3, 2, 3, 1) = L_{2299} = \begin{bmatrix} 1073 \\ 0144 \end{bmatrix} \\
2367 &= \mathbf{PI}(4, 2, 3, 2, 3, 1) = L_{3768} = \begin{bmatrix} 1036 \\ 0155 \end{bmatrix} \\
2368 &= \mathbf{PI}(3, 3, 3, 2, 3, 1) = L_{3221} = \begin{bmatrix} 1045 \\ 0111 \end{bmatrix} \\
2369 &= \mathbf{PI}(2, 4, 3, 2, 3, 1) = L_{1085} = \begin{bmatrix} 1061 \\ 0177 \end{bmatrix} \\
2370 &= \mathbf{PI}(1, 5, 3, 2, 3, 1) = L_{1268} = \begin{bmatrix} 1012 \\ 0133 \end{bmatrix} \\
2371 &= \mathbf{PI}(7, 6, 3, 2, 3, 1) = L_{4471} = \begin{bmatrix} 1057 \\ 0122 \end{bmatrix} \\
2372 &= \mathbf{PI}(6, 7, 3, 2, 3, 1) = L_{2536} = \begin{bmatrix} 1024 \\ 0166 \end{bmatrix} \\
2373 &= \mathbf{PI}(6, 1, 4, 2, 3, 1) = L_{2535} = \begin{bmatrix} 1024 \\ 0156 \end{bmatrix} \\
2374 &= \mathbf{PI}(3, 2, 4, 2, 3, 1) = L_{3227} = \begin{bmatrix} 1045 \\ 0171 \end{bmatrix} \\
2375 &= \mathbf{PI}(2, 3, 4, 2, 3, 1) = L_{1080} = \begin{bmatrix} 1061 \\ 0127 \end{bmatrix} \\
2376 &= \mathbf{PI}(7, 4, 4, 2, 3, 1) = L_{4472} = \begin{bmatrix} 1057 \\ 0132 \end{bmatrix} \\
2377 &= \mathbf{PI}(5, 5, 4, 2, 3, 1) = L_{2301} = \begin{bmatrix} 1073 \\ 0164 \end{bmatrix} \\
2378 &= \mathbf{PI}(1, 6, 4, 2, 3, 1) = L_{1269} = \begin{bmatrix} 1012 \\ 0143 \end{bmatrix} \\
2379 &= \mathbf{PI}(4, 7, 4, 2, 3, 1) = L_{3764} = \begin{bmatrix} 1036 \\ 0115 \end{bmatrix} \\
2380 &= \mathbf{PI}(4, 1, 5, 2, 3, 1) = L_{3765} = \begin{bmatrix} 1036 \\ 0125 \end{bmatrix} \\
2381 &= \mathbf{PI}(2, 2, 5, 2, 3, 1) = L_{1082} = \begin{bmatrix} 1061 \\ 0147 \end{bmatrix} \\
2382 &= \mathbf{PI}(7, 3, 5, 2, 3, 1) = L_{4475} = \begin{bmatrix} 1057 \\ 0162 \end{bmatrix} \\
2383 &= \mathbf{PI}(1, 4, 5, 2, 3, 1) = L_{1270} = \begin{bmatrix} 1012 \\ 0153 \end{bmatrix} \\
2384 &= \mathbf{PI}(6, 5, 5, 2, 3, 1) = L_{2537} = \begin{bmatrix} 1024 \\ 0176 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2385 &= \mathbf{PI}(5, 6, 5, 2, 3, 1) = L_{2296} = \begin{bmatrix} 1073 \\ 0114 \end{bmatrix} \\
2386 &= \mathbf{PI}(3, 7, 5, 2, 3, 1) = L_{3223} = \begin{bmatrix} 1045 \\ 0131 \end{bmatrix} \\
2387 &= \mathbf{PI}(2, 1, 6, 2, 3, 1) = L_{1081} = \begin{bmatrix} 1061 \\ 0137 \end{bmatrix} \\
2388 &= \mathbf{PI}(1, 2, 6, 2, 3, 1) = L_{1271} = \begin{bmatrix} 1012 \\ 0163 \end{bmatrix} \\
2389 &= \mathbf{PI}(5, 3, 6, 2, 3, 1) = L_{2300} = \begin{bmatrix} 1073 \\ 0154 \end{bmatrix} \\
2390 &= \mathbf{PI}(6, 4, 6, 2, 3, 1) = L_{2531} = \begin{bmatrix} 1024 \\ 0116 \end{bmatrix} \\
2391 &= \mathbf{PI}(3, 5, 6, 2, 3, 1) = L_{3222} = \begin{bmatrix} 1045 \\ 0121 \end{bmatrix} \\
2392 &= \mathbf{PI}(4, 6, 6, 2, 3, 1) = L_{3770} = \begin{bmatrix} 1036 \\ 0175 \end{bmatrix} \\
2393 &= \mathbf{PI}(7, 7, 6, 2, 3, 1) = L_{4473} = \begin{bmatrix} 1057 \\ 0142 \end{bmatrix} \\
2394 &= \mathbf{PI}(0, 0, 7, 2, 3, 1) = L_{431} = \begin{bmatrix} 1500 \\ 0012 \end{bmatrix} \\
2395 &= \mathbf{PI}(1, 0, 7, 2, 3, 1) = L_{1272} = \begin{bmatrix} 1012 \\ 0173 \end{bmatrix} \\
2396 &= \mathbf{PI}(2, 0, 7, 2, 3, 1) = L_{1083} = \begin{bmatrix} 1061 \\ 0157 \end{bmatrix} \\
2397 &= \mathbf{PI}(3, 0, 7, 2, 3, 1) = L_{3226} = \begin{bmatrix} 1045 \\ 0161 \end{bmatrix} \\
2398 &= \mathbf{PI}(4, 0, 7, 2, 3, 1) = L_{3767} = \begin{bmatrix} 1036 \\ 0145 \end{bmatrix} \\
2399 &= \mathbf{PI}(5, 0, 7, 2, 3, 1) = L_{2297} = \begin{bmatrix} 1073 \\ 0124 \end{bmatrix} \\
2400 &= \mathbf{PI}(6, 0, 7, 2, 3, 1) = L_{2533} = \begin{bmatrix} 1024 \\ 0136 \end{bmatrix} \\
2401 &= \mathbf{PI}(7, 0, 7, 2, 3, 1) = L_{4470} = \begin{bmatrix} 1057 \\ 0112 \end{bmatrix} \\
2402 &= \mathbf{PI}(0, 1, 7, 2, 3, 1) = L_{3351} = \begin{bmatrix} 1505 \\ 0012 \end{bmatrix} \\
2403 &= \mathbf{PI}(0, 2, 7, 2, 3, 1) = L_{4519} = \begin{bmatrix} 1507 \\ 0012 \end{bmatrix} \\
2404 &= \mathbf{PI}(0, 3, 7, 2, 3, 1) = L_{1599} = \begin{bmatrix} 1502 \\ 0012 \end{bmatrix} \\
2405 &= \mathbf{PI}(0, 4, 7, 2, 3, 1) = L_{2183} = \begin{bmatrix} 1503 \\ 0012 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2406 &= \mathbf{PI}(0, 5, 7, 2, 3, 1) = L_{3935} = \begin{bmatrix} 1506 \\ 0012 \end{bmatrix} \\
2407 &= \mathbf{PI}(0, 6, 7, 2, 3, 1) = L_{2767} = \begin{bmatrix} 1504 \\ 0012 \end{bmatrix} \\
2408 &= \mathbf{PI}(0, 7, 7, 2, 3, 1) = L_{1015} = \begin{bmatrix} 1501 \\ 0012 \end{bmatrix} \\
2409 &= \mathbf{PI}(3, 1, 0, 3, 3, 1) = L_{884} = \begin{bmatrix} 1041 \\ 0101 \end{bmatrix} \\
2410 &= \mathbf{PI}(7, 2, 0, 3, 3, 1) = L_{1549} = \begin{bmatrix} 1052 \\ 0102 \end{bmatrix} \\
2411 &= \mathbf{PI}(1, 3, 0, 3, 3, 1) = L_{1849} = \begin{bmatrix} 1013 \\ 0103 \end{bmatrix} \\
2412 &= \mathbf{PI}(5, 4, 0, 3, 3, 1) = L_{2879} = \begin{bmatrix} 1074 \\ 0104 \end{bmatrix} \\
2413 &= \mathbf{PI}(4, 5, 0, 3, 3, 1) = L_{3179} = \begin{bmatrix} 1035 \\ 0105 \end{bmatrix} \\
2414 &= \mathbf{PI}(6, 6, 0, 3, 3, 1) = L_{3698} = \begin{bmatrix} 1026 \\ 0106 \end{bmatrix} \\
2415 &= \mathbf{PI}(2, 7, 0, 3, 3, 1) = L_{4582} = \begin{bmatrix} 1067 \\ 0107 \end{bmatrix} \\
2416 &= \mathbf{PI}(0, 0, 1, 3, 3, 1) = L_{140} = \begin{bmatrix} 1100 \\ 0013 \end{bmatrix} \\
2417 &= \mathbf{PI}(1, 0, 1, 3, 3, 1) = L_{1850} = \begin{bmatrix} 1013 \\ 0113 \end{bmatrix} \\
2418 &= \mathbf{PI}(2, 0, 1, 3, 3, 1) = L_{4588} = \begin{bmatrix} 1067 \\ 0167 \end{bmatrix} \\
2419 &= \mathbf{PI}(3, 0, 1, 3, 3, 1) = L_{888} = \begin{bmatrix} 1041 \\ 0141 \end{bmatrix} \\
2420 &= \mathbf{PI}(4, 0, 1, 3, 3, 1) = L_{3182} = \begin{bmatrix} 1035 \\ 0135 \end{bmatrix} \\
2421 &= \mathbf{PI}(5, 0, 1, 3, 3, 1) = L_{2886} = \begin{bmatrix} 1074 \\ 0174 \end{bmatrix} \\
2422 &= \mathbf{PI}(6, 0, 1, 3, 3, 1) = L_{3700} = \begin{bmatrix} 1026 \\ 0126 \end{bmatrix} \\
2423 &= \mathbf{PI}(7, 0, 1, 3, 3, 1) = L_{1554} = \begin{bmatrix} 1052 \\ 0152 \end{bmatrix} \\
2424 &= \mathbf{PI}(0, 1, 1, 3, 3, 1) = L_{724} = \begin{bmatrix} 1101 \\ 0013 \end{bmatrix} \\
2425 &= \mathbf{PI}(0, 2, 1, 3, 3, 1) = L_{1308} = \begin{bmatrix} 1102 \\ 0013 \end{bmatrix} \\
2426 &= \mathbf{PI}(0, 3, 1, 3, 3, 1) = L_{1892} = \begin{bmatrix} 1103 \\ 0013 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2427 &= \mathbf{PI}(0, 4, 1, 3, 3, 1) = L_{2476} = \begin{bmatrix} 1104 \\ 0013 \end{bmatrix} \\
2428 &= \mathbf{PI}(0, 5, 1, 3, 3, 1) = L_{3060} = \begin{bmatrix} 1105 \\ 0013 \end{bmatrix} \\
2429 &= \mathbf{PI}(0, 6, 1, 3, 3, 1) = L_{3644} = \begin{bmatrix} 1106 \\ 0013 \end{bmatrix} \\
2430 &= \mathbf{PI}(0, 7, 1, 3, 3, 1) = L_{4228} = \begin{bmatrix} 1107 \\ 0013 \end{bmatrix} \\
2431 &= \mathbf{PI}(5, 1, 2, 3, 3, 1) = L_{2882} = \begin{bmatrix} 1074 \\ 0134 \end{bmatrix} \\
2432 &= \mathbf{PI}(4, 2, 2, 3, 3, 1) = L_{3185} = \begin{bmatrix} 1035 \\ 0165 \end{bmatrix} \\
2433 &= \mathbf{PI}(3, 3, 2, 3, 3, 1) = L_{889} = \begin{bmatrix} 1041 \\ 0151 \end{bmatrix} \\
2434 &= \mathbf{PI}(2, 4, 2, 3, 3, 1) = L_{4583} = \begin{bmatrix} 1067 \\ 0117 \end{bmatrix} \\
2435 &= \mathbf{PI}(1, 5, 2, 3, 3, 1) = L_{1851} = \begin{bmatrix} 1013 \\ 0123 \end{bmatrix} \\
2436 &= \mathbf{PI}(7, 6, 2, 3, 3, 1) = L_{1556} = \begin{bmatrix} 1052 \\ 0172 \end{bmatrix} \\
2437 &= \mathbf{PI}(6, 7, 2, 3, 3, 1) = L_{3702} = \begin{bmatrix} 1026 \\ 0146 \end{bmatrix} \\
2438 &= \mathbf{PI}(6, 1, 3, 3, 3, 1) = L_{3704} = \begin{bmatrix} 1026 \\ 0166 \end{bmatrix} \\
2439 &= \mathbf{PI}(3, 2, 3, 3, 3, 1) = L_{885} = \begin{bmatrix} 1041 \\ 0111 \end{bmatrix} \\
2440 &= \mathbf{PI}(2, 3, 3, 3, 3, 1) = L_{4589} = \begin{bmatrix} 1067 \\ 0177 \end{bmatrix} \\
2441 &= \mathbf{PI}(7, 4, 3, 3, 3, 1) = L_{1551} = \begin{bmatrix} 1052 \\ 0122 \end{bmatrix} \\
2442 &= \mathbf{PI}(5, 5, 3, 3, 3, 1) = L_{2883} = \begin{bmatrix} 1074 \\ 0144 \end{bmatrix} \\
2443 &= \mathbf{PI}(1, 6, 3, 3, 3, 1) = L_{1852} = \begin{bmatrix} 1013 \\ 0133 \end{bmatrix} \\
2444 &= \mathbf{PI}(4, 7, 3, 3, 3, 1) = L_{3184} = \begin{bmatrix} 1035 \\ 0155 \end{bmatrix} \\
2445 &= \mathbf{PI}(2, 1, 4, 3, 3, 1) = L_{4584} = \begin{bmatrix} 1067 \\ 0127 \end{bmatrix} \\
2446 &= \mathbf{PI}(1, 2, 4, 3, 3, 1) = L_{1853} = \begin{bmatrix} 1013 \\ 0143 \end{bmatrix} \\
2447 &= \mathbf{PI}(5, 3, 4, 3, 3, 1) = L_{2885} = \begin{bmatrix} 1074 \\ 0164 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2448 &= \mathbf{PI}(6, 4, 4, 3, 3, 1) = L_{3703} = \begin{bmatrix} 1026 \\ 0156 \end{bmatrix} \\
2449 &= \mathbf{PI}(3, 5, 4, 3, 3, 1) = L_{891} = \begin{bmatrix} 1041 \\ 0171 \end{bmatrix} \\
2450 &= \mathbf{PI}(4, 6, 4, 3, 3, 1) = L_{3180} = \begin{bmatrix} 1035 \\ 0115 \end{bmatrix} \\
2451 &= \mathbf{PI}(7, 7, 4, 3, 3, 1) = L_{1552} = \begin{bmatrix} 1052 \\ 0132 \end{bmatrix} \\
2452 &= \mathbf{PI}(1, 1, 5, 3, 3, 1) = L_{1854} = \begin{bmatrix} 1013 \\ 0153 \end{bmatrix} \\
2453 &= \mathbf{PI}(6, 2, 5, 3, 3, 1) = L_{3705} = \begin{bmatrix} 1026 \\ 0176 \end{bmatrix} \\
2454 &= \mathbf{PI}(4, 3, 5, 3, 3, 1) = L_{3181} = \begin{bmatrix} 1035 \\ 0125 \end{bmatrix} \\
2455 &= \mathbf{PI}(3, 4, 5, 3, 3, 1) = L_{887} = \begin{bmatrix} 1041 \\ 0131 \end{bmatrix} \\
2456 &= \mathbf{PI}(7, 5, 5, 3, 3, 1) = L_{1555} = \begin{bmatrix} 1052 \\ 0162 \end{bmatrix} \\
2457 &= \mathbf{PI}(2, 6, 5, 3, 3, 1) = L_{4586} = \begin{bmatrix} 1067 \\ 0147 \end{bmatrix} \\
2458 &= \mathbf{PI}(5, 7, 5, 3, 3, 1) = L_{2880} = \begin{bmatrix} 1074 \\ 0114 \end{bmatrix} \\
2459 &= \mathbf{PI}(4, 1, 6, 3, 3, 1) = L_{3186} = \begin{bmatrix} 1035 \\ 0175 \end{bmatrix} \\
2460 &= \mathbf{PI}(2, 2, 6, 3, 3, 1) = L_{4585} = \begin{bmatrix} 1067 \\ 0137 \end{bmatrix} \\
2461 &= \mathbf{PI}(7, 3, 6, 3, 3, 1) = L_{1553} = \begin{bmatrix} 1052 \\ 0142 \end{bmatrix} \\
2462 &= \mathbf{PI}(1, 4, 6, 3, 3, 1) = L_{1855} = \begin{bmatrix} 1013 \\ 0163 \end{bmatrix} \\
2463 &= \mathbf{PI}(6, 5, 6, 3, 3, 1) = L_{3699} = \begin{bmatrix} 1026 \\ 0116 \end{bmatrix} \\
2464 &= \mathbf{PI}(5, 6, 6, 3, 3, 1) = L_{2884} = \begin{bmatrix} 1074 \\ 0154 \end{bmatrix} \\
2465 &= \mathbf{PI}(3, 7, 6, 3, 3, 1) = L_{886} = \begin{bmatrix} 1041 \\ 0121 \end{bmatrix} \\
2466 &= \mathbf{PI}(7, 1, 7, 3, 3, 1) = L_{1550} = \begin{bmatrix} 1052 \\ 0112 \end{bmatrix} \\
2467 &= \mathbf{PI}(5, 2, 7, 3, 3, 1) = L_{2881} = \begin{bmatrix} 1074 \\ 0124 \end{bmatrix} \\
2468 &= \mathbf{PI}(6, 3, 7, 3, 3, 1) = L_{3701} = \begin{bmatrix} 1026 \\ 0136 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2469 &= \mathbf{PI}(4, 4, 7, 3, 3, 1) = L_{3183} = \begin{bmatrix} 1035 \\ 0145 \end{bmatrix} \\
2470 &= \mathbf{PI}(2, 5, 7, 3, 3, 1) = L_{4587} = \begin{bmatrix} 1067 \\ 0157 \end{bmatrix} \\
2471 &= \mathbf{PI}(3, 6, 7, 3, 3, 1) = L_{890} = \begin{bmatrix} 1041 \\ 0161 \end{bmatrix} \\
2472 &= \mathbf{PI}(1, 7, 7, 3, 3, 1) = L_{1856} = \begin{bmatrix} 1013 \\ 0173 \end{bmatrix} \\
2473 &= \mathbf{PI}(3, 1, 0, 4, 3, 1) = L_{4388} = \begin{bmatrix} 1047 \\ 0101 \end{bmatrix} \\
2474 &= \mathbf{PI}(7, 2, 0, 4, 3, 1) = L_{2133} = \begin{bmatrix} 1053 \\ 0102 \end{bmatrix} \\
2475 &= \mathbf{PI}(1, 3, 0, 4, 3, 1) = L_{2433} = \begin{bmatrix} 1014 \\ 0103 \end{bmatrix} \\
2476 &= \mathbf{PI}(5, 4, 0, 4, 3, 1) = L_{4047} = \begin{bmatrix} 1076 \\ 0104 \end{bmatrix} \\
2477 &= \mathbf{PI}(4, 5, 0, 4, 3, 1) = L_{843} = \begin{bmatrix} 1031 \\ 0105 \end{bmatrix} \\
2478 &= \mathbf{PI}(6, 6, 0, 4, 3, 1) = L_{3114} = \begin{bmatrix} 1025 \\ 0106 \end{bmatrix} \\
2479 &= \mathbf{PI}(2, 7, 0, 4, 3, 1) = L_{1662} = \begin{bmatrix} 1062 \\ 0107 \end{bmatrix} \\
2480 &= \mathbf{PI}(7, 1, 1, 4, 3, 1) = L_{2138} = \begin{bmatrix} 1053 \\ 0152 \end{bmatrix} \\
2481 &= \mathbf{PI}(5, 2, 1, 4, 3, 1) = L_{4054} = \begin{bmatrix} 1076 \\ 0174 \end{bmatrix} \\
2482 &= \mathbf{PI}(6, 3, 1, 4, 3, 1) = L_{3116} = \begin{bmatrix} 1025 \\ 0126 \end{bmatrix} \\
2483 &= \mathbf{PI}(4, 4, 1, 4, 3, 1) = L_{846} = \begin{bmatrix} 1031 \\ 0135 \end{bmatrix} \\
2484 &= \mathbf{PI}(2, 5, 1, 4, 3, 1) = L_{1668} = \begin{bmatrix} 1062 \\ 0167 \end{bmatrix} \\
2485 &= \mathbf{PI}(3, 6, 1, 4, 3, 1) = L_{4392} = \begin{bmatrix} 1047 \\ 0141 \end{bmatrix} \\
2486 &= \mathbf{PI}(1, 7, 1, 4, 3, 1) = L_{2434} = \begin{bmatrix} 1014 \\ 0113 \end{bmatrix} \\
2487 &= \mathbf{PI}(6, 1, 2, 4, 3, 1) = L_{3118} = \begin{bmatrix} 1025 \\ 0146 \end{bmatrix} \\
2488 &= \mathbf{PI}(3, 2, 2, 4, 3, 1) = L_{4393} = \begin{bmatrix} 1047 \\ 0151 \end{bmatrix} \\
2489 &= \mathbf{PI}(2, 3, 2, 4, 3, 1) = L_{1663} = \begin{bmatrix} 1062 \\ 0117 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2490 &= \mathbf{PI}(7, 4, 2, 4, 3, 1) = L_{2140} = \begin{bmatrix} 1053 \\ 0172 \end{bmatrix} \\
2491 &= \mathbf{PI}(5, 5, 2, 4, 3, 1) = L_{4050} = \begin{bmatrix} 1076 \\ 0134 \end{bmatrix} \\
2492 &= \mathbf{PI}(1, 6, 2, 4, 3, 1) = L_{2435} = \begin{bmatrix} 1014 \\ 0123 \end{bmatrix} \\
2493 &= \mathbf{PI}(4, 7, 2, 4, 3, 1) = L_{849} = \begin{bmatrix} 1031 \\ 0165 \end{bmatrix} \\
2494 &= \mathbf{PI}(2, 1, 3, 4, 3, 1) = L_{1669} = \begin{bmatrix} 1062 \\ 0177 \end{bmatrix} \\
2495 &= \mathbf{PI}(1, 2, 3, 4, 3, 1) = L_{2436} = \begin{bmatrix} 1014 \\ 0133 \end{bmatrix} \\
2496 &= \mathbf{PI}(5, 3, 3, 4, 3, 1) = L_{4051} = \begin{bmatrix} 1076 \\ 0144 \end{bmatrix} \\
2497 &= \mathbf{PI}(6, 4, 3, 4, 3, 1) = L_{3120} = \begin{bmatrix} 1025 \\ 0166 \end{bmatrix} \\
2498 &= \mathbf{PI}(3, 5, 3, 4, 3, 1) = L_{4389} = \begin{bmatrix} 1047 \\ 0111 \end{bmatrix} \\
2499 &= \mathbf{PI}(4, 6, 3, 4, 3, 1) = L_{848} = \begin{bmatrix} 1031 \\ 0155 \end{bmatrix} \\
2500 &= \mathbf{PI}(7, 7, 3, 4, 3, 1) = L_{2135} = \begin{bmatrix} 1053 \\ 0122 \end{bmatrix} \\
2501 &= \mathbf{PI}(4, 1, 4, 4, 3, 1) = L_{844} = \begin{bmatrix} 1031 \\ 0115 \end{bmatrix} \\
2502 &= \mathbf{PI}(2, 2, 4, 4, 3, 1) = L_{1664} = \begin{bmatrix} 1062 \\ 0127 \end{bmatrix} \\
2503 &= \mathbf{PI}(7, 3, 4, 4, 3, 1) = L_{2136} = \begin{bmatrix} 1053 \\ 0132 \end{bmatrix} \\
2504 &= \mathbf{PI}(1, 4, 4, 4, 3, 1) = L_{2437} = \begin{bmatrix} 1014 \\ 0143 \end{bmatrix} \\
2505 &= \mathbf{PI}(6, 5, 4, 4, 3, 1) = L_{3119} = \begin{bmatrix} 1025 \\ 0156 \end{bmatrix} \\
2506 &= \mathbf{PI}(5, 6, 4, 4, 3, 1) = L_{4053} = \begin{bmatrix} 1076 \\ 0164 \end{bmatrix} \\
2507 &= \mathbf{PI}(3, 7, 4, 4, 3, 1) = L_{4395} = \begin{bmatrix} 1047 \\ 0171 \end{bmatrix} \\
2508 &= \mathbf{PI}(0, 0, 5, 4, 3, 1) = L_{579} = \begin{bmatrix} 1700 \\ 0014 \end{bmatrix} \\
2509 &= \mathbf{PI}(1, 0, 5, 4, 3, 1) = L_{2438} = \begin{bmatrix} 1014 \\ 0153 \end{bmatrix} \\
2510 &= \mathbf{PI}(2, 0, 5, 4, 3, 1) = L_{1666} = \begin{bmatrix} 1062 \\ 0147 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2511 &= \mathbf{PI}(3, 0, 5, 4, 3, 1) = L_{4391} = \begin{bmatrix} 1047 \\ 0131 \end{bmatrix} \\
2512 &= \mathbf{PI}(4, 0, 5, 4, 3, 1) = L_{845} = \begin{bmatrix} 1031 \\ 0125 \end{bmatrix} \\
2513 &= \mathbf{PI}(5, 0, 5, 4, 3, 1) = L_{4048} = \begin{bmatrix} 1076 \\ 0114 \end{bmatrix} \\
2514 &= \mathbf{PI}(6, 0, 5, 4, 3, 1) = L_{3121} = \begin{bmatrix} 1025 \\ 0176 \end{bmatrix} \\
2515 &= \mathbf{PI}(7, 0, 5, 4, 3, 1) = L_{2139} = \begin{bmatrix} 1053 \\ 0162 \end{bmatrix} \\
2516 &= \mathbf{PI}(0, 1, 5, 4, 3, 1) = L_{4667} = \begin{bmatrix} 1707 \\ 0014 \end{bmatrix} \\
2517 &= \mathbf{PI}(0, 2, 5, 4, 3, 1) = L_{2331} = \begin{bmatrix} 1703 \\ 0014 \end{bmatrix} \\
2518 &= \mathbf{PI}(0, 3, 5, 4, 3, 1) = L_{2915} = \begin{bmatrix} 1704 \\ 0014 \end{bmatrix} \\
2519 &= \mathbf{PI}(0, 4, 5, 4, 3, 1) = L_{4083} = \begin{bmatrix} 1706 \\ 0014 \end{bmatrix} \\
2520 &= \mathbf{PI}(0, 5, 5, 4, 3, 1) = L_{1163} = \begin{bmatrix} 1701 \\ 0014 \end{bmatrix} \\
2521 &= \mathbf{PI}(0, 6, 5, 4, 3, 1) = L_{3499} = \begin{bmatrix} 1705 \\ 0014 \end{bmatrix} \\
2522 &= \mathbf{PI}(0, 7, 5, 4, 3, 1) = L_{1747} = \begin{bmatrix} 1702 \\ 0014 \end{bmatrix} \\
2523 &= \mathbf{PI}(1, 1, 6, 4, 3, 1) = L_{2439} = \begin{bmatrix} 1014 \\ 0163 \end{bmatrix} \\
2524 &= \mathbf{PI}(6, 2, 6, 4, 3, 1) = L_{3115} = \begin{bmatrix} 1025 \\ 0116 \end{bmatrix} \\
2525 &= \mathbf{PI}(4, 3, 6, 4, 3, 1) = L_{850} = \begin{bmatrix} 1031 \\ 0175 \end{bmatrix} \\
2526 &= \mathbf{PI}(3, 4, 6, 4, 3, 1) = L_{4390} = \begin{bmatrix} 1047 \\ 0121 \end{bmatrix} \\
2527 &= \mathbf{PI}(7, 5, 6, 4, 3, 1) = L_{2137} = \begin{bmatrix} 1053 \\ 0142 \end{bmatrix} \\
2528 &= \mathbf{PI}(2, 6, 6, 4, 3, 1) = L_{1665} = \begin{bmatrix} 1062 \\ 0137 \end{bmatrix} \\
2529 &= \mathbf{PI}(5, 7, 6, 4, 3, 1) = L_{4052} = \begin{bmatrix} 1076 \\ 0154 \end{bmatrix} \\
2530 &= \mathbf{PI}(5, 1, 7, 4, 3, 1) = L_{4049} = \begin{bmatrix} 1076 \\ 0124 \end{bmatrix} \\
2531 &= \mathbf{PI}(4, 2, 7, 4, 3, 1) = L_{847} = \begin{bmatrix} 1031 \\ 0145 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
2532 &= \mathbf{PI}(3, 3, 7, 4, 3, 1) = L_{4394} = \begin{bmatrix} 1047 \\ 0161 \end{bmatrix} \\
2533 &= \mathbf{PI}(2, 4, 7, 4, 3, 1) = L_{1667} = \begin{bmatrix} 1062 \\ 0157 \end{bmatrix} \\
2534 &= \mathbf{PI}(1, 5, 7, 4, 3, 1) = L_{2440} = \begin{bmatrix} 1014 \\ 0173 \end{bmatrix} \\
2535 &= \mathbf{PI}(7, 6, 7, 4, 3, 1) = L_{2134} = \begin{bmatrix} 1053 \\ 0112 \end{bmatrix} \\
2536 &= \mathbf{PI}(6, 7, 7, 4, 3, 1) = L_{3117} = \begin{bmatrix} 1025 \\ 0136 \end{bmatrix} \\
2537 &= \mathbf{PI}(3, 1, 0, 5, 3, 1) = L_{2052} = \begin{bmatrix} 1043 \\ 0101 \end{bmatrix} \\
2538 &= \mathbf{PI}(7, 2, 0, 5, 3, 1) = L_{3885} = \begin{bmatrix} 1056 \\ 0102 \end{bmatrix} \\
2539 &= \mathbf{PI}(1, 3, 0, 5, 3, 1) = L_{3017} = \begin{bmatrix} 1015 \\ 0103 \end{bmatrix} \\
2540 &= \mathbf{PI}(5, 4, 0, 5, 3, 1) = L_{1127} = \begin{bmatrix} 1071 \\ 0104 \end{bmatrix} \\
2541 &= \mathbf{PI}(4, 5, 0, 5, 3, 1) = L_{1427} = \begin{bmatrix} 1032 \\ 0105 \end{bmatrix} \\
2542 &= \mathbf{PI}(6, 6, 0, 5, 3, 1) = L_{4282} = \begin{bmatrix} 1027 \\ 0106 \end{bmatrix} \\
2543 &= \mathbf{PI}(2, 7, 0, 5, 3, 1) = L_{2830} = \begin{bmatrix} 1064 \\ 0107 \end{bmatrix} \\
2544 &= \mathbf{PI}(6, 1, 1, 5, 3, 1) = L_{4284} = \begin{bmatrix} 1027 \\ 0126 \end{bmatrix} \\
2545 &= \mathbf{PI}(3, 2, 1, 5, 3, 1) = L_{2056} = \begin{bmatrix} 1043 \\ 0141 \end{bmatrix} \\
2546 &= \mathbf{PI}(2, 3, 1, 5, 3, 1) = L_{2836} = \begin{bmatrix} 1064 \\ 0167 \end{bmatrix} \\
2547 &= \mathbf{PI}(7, 4, 1, 5, 3, 1) = L_{3890} = \begin{bmatrix} 1056 \\ 0152 \end{bmatrix} \\
2548 &= \mathbf{PI}(5, 5, 1, 5, 3, 1) = L_{1134} = \begin{bmatrix} 1071 \\ 0174 \end{bmatrix} \\
2549 &= \mathbf{PI}(1, 6, 1, 5, 3, 1) = L_{3018} = \begin{bmatrix} 1015 \\ 0113 \end{bmatrix} \\
2550 &= \mathbf{PI}(4, 7, 1, 5, 3, 1) = L_{1430} = \begin{bmatrix} 1032 \\ 0135 \end{bmatrix} \\
2551 &= \mathbf{PI}(4, 1, 2, 5, 3, 1) = L_{1433} = \begin{bmatrix} 1032 \\ 0165 \end{bmatrix} \\
2552 &= \mathbf{PI}(2, 2, 2, 5, 3, 1) = L_{2831} = \begin{bmatrix} 1064 \\ 0117 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2553 &= \mathbf{PI}(7, 3, 2, 5, 3, 1) = L_{3892} = \begin{bmatrix} 1056 \\ 0172 \end{bmatrix} \\
2554 &= \mathbf{PI}(1, 4, 2, 5, 3, 1) = L_{3019} = \begin{bmatrix} 1015 \\ 0123 \end{bmatrix} \\
2555 &= \mathbf{PI}(6, 5, 2, 5, 3, 1) = L_{4286} = \begin{bmatrix} 1027 \\ 0146 \end{bmatrix} \\
2556 &= \mathbf{PI}(5, 6, 2, 5, 3, 1) = L_{1130} = \begin{bmatrix} 1071 \\ 0134 \end{bmatrix} \\
2557 &= \mathbf{PI}(3, 7, 2, 5, 3, 1) = L_{2057} = \begin{bmatrix} 1043 \\ 0151 \end{bmatrix} \\
2558 &= \mathbf{PI}(1, 1, 3, 5, 3, 1) = L_{3020} = \begin{bmatrix} 1015 \\ 0133 \end{bmatrix} \\
2559 &= \mathbf{PI}(6, 2, 3, 5, 3, 1) = L_{4288} = \begin{bmatrix} 1027 \\ 0166 \end{bmatrix} \\
2560 &= \mathbf{PI}(4, 3, 3, 5, 3, 1) = L_{1432} = \begin{bmatrix} 1032 \\ 0155 \end{bmatrix} \\
2561 &= \mathbf{PI}(3, 4, 3, 5, 3, 1) = L_{2053} = \begin{bmatrix} 1043 \\ 0111 \end{bmatrix} \\
2562 &= \mathbf{PI}(7, 5, 3, 5, 3, 1) = L_{3887} = \begin{bmatrix} 1056 \\ 0122 \end{bmatrix} \\
2563 &= \mathbf{PI}(2, 6, 3, 5, 3, 1) = L_{2837} = \begin{bmatrix} 1064 \\ 0177 \end{bmatrix} \\
2564 &= \mathbf{PI}(5, 7, 3, 5, 3, 1) = L_{1131} = \begin{bmatrix} 1071 \\ 0144 \end{bmatrix} \\
2565 &= \mathbf{PI}(0, 0, 4, 5, 3, 1) = L_{288} = \begin{bmatrix} 1300 \\ 0015 \end{bmatrix} \\
2566 &= \mathbf{PI}(1, 0, 4, 5, 3, 1) = L_{3021} = \begin{bmatrix} 1015 \\ 0143 \end{bmatrix} \\
2567 &= \mathbf{PI}(2, 0, 4, 5, 3, 1) = L_{2832} = \begin{bmatrix} 1064 \\ 0127 \end{bmatrix} \\
2568 &= \mathbf{PI}(3, 0, 4, 5, 3, 1) = L_{2059} = \begin{bmatrix} 1043 \\ 0171 \end{bmatrix} \\
2569 &= \mathbf{PI}(4, 0, 4, 5, 3, 1) = L_{1428} = \begin{bmatrix} 1032 \\ 0115 \end{bmatrix} \\
2570 &= \mathbf{PI}(5, 0, 4, 5, 3, 1) = L_{1133} = \begin{bmatrix} 1071 \\ 0164 \end{bmatrix} \\
2571 &= \mathbf{PI}(6, 0, 4, 5, 3, 1) = L_{4287} = \begin{bmatrix} 1027 \\ 0156 \end{bmatrix} \\
2572 &= \mathbf{PI}(7, 0, 4, 5, 3, 1) = L_{3888} = \begin{bmatrix} 1056 \\ 0132 \end{bmatrix} \\
2573 &= \mathbf{PI}(0, 1, 4, 5, 3, 1) = L_{2040} = \begin{bmatrix} 1303 \\ 0015 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2574 &= \mathbf{PI}(0, 2, 4, 5, 3, 1) = L_{3792} = \begin{bmatrix} 1306 \\ 0015 \end{bmatrix} \\
2575 &= \mathbf{PI}(0, 3, 4, 5, 3, 1) = L_{3208} = \begin{bmatrix} 1305 \\ 0015 \end{bmatrix} \\
2576 &= \mathbf{PI}(0, 4, 4, 5, 3, 1) = L_{872} = \begin{bmatrix} 1301 \\ 0015 \end{bmatrix} \\
2577 &= \mathbf{PI}(0, 5, 4, 5, 3, 1) = L_{1456} = \begin{bmatrix} 1302 \\ 0015 \end{bmatrix} \\
2578 &= \mathbf{PI}(0, 6, 4, 5, 3, 1) = L_{4376} = \begin{bmatrix} 1307 \\ 0015 \end{bmatrix} \\
2579 &= \mathbf{PI}(0, 7, 4, 5, 3, 1) = L_{2624} = \begin{bmatrix} 1304 \\ 0015 \end{bmatrix} \\
2580 &= \mathbf{PI}(5, 1, 5, 5, 3, 1) = L_{1128} = \begin{bmatrix} 1071 \\ 0114 \end{bmatrix} \\
2581 &= \mathbf{PI}(4, 2, 5, 5, 3, 1) = L_{1429} = \begin{bmatrix} 1032 \\ 0125 \end{bmatrix} \\
2582 &= \mathbf{PI}(3, 3, 5, 5, 3, 1) = L_{2055} = \begin{bmatrix} 1043 \\ 0131 \end{bmatrix} \\
2583 &= \mathbf{PI}(2, 4, 5, 5, 3, 1) = L_{2834} = \begin{bmatrix} 1064 \\ 0147 \end{bmatrix} \\
2584 &= \mathbf{PI}(1, 5, 5, 5, 3, 1) = L_{3022} = \begin{bmatrix} 1015 \\ 0153 \end{bmatrix} \\
2585 &= \mathbf{PI}(7, 6, 5, 5, 3, 1) = L_{3891} = \begin{bmatrix} 1056 \\ 0162 \end{bmatrix} \\
2586 &= \mathbf{PI}(6, 7, 5, 5, 3, 1) = L_{4289} = \begin{bmatrix} 1027 \\ 0176 \end{bmatrix} \\
2587 &= \mathbf{PI}(7, 1, 6, 5, 3, 1) = L_{3889} = \begin{bmatrix} 1056 \\ 0142 \end{bmatrix} \\
2588 &= \mathbf{PI}(5, 2, 6, 5, 3, 1) = L_{1132} = \begin{bmatrix} 1071 \\ 0154 \end{bmatrix} \\
2589 &= \mathbf{PI}(6, 3, 6, 5, 3, 1) = L_{4283} = \begin{bmatrix} 1027 \\ 0116 \end{bmatrix} \\
2590 &= \mathbf{PI}(4, 4, 6, 5, 3, 1) = L_{1434} = \begin{bmatrix} 1032 \\ 0175 \end{bmatrix} \\
2591 &= \mathbf{PI}(2, 5, 6, 5, 3, 1) = L_{2833} = \begin{bmatrix} 1064 \\ 0137 \end{bmatrix} \\
2592 &= \mathbf{PI}(3, 6, 6, 5, 3, 1) = L_{2054} = \begin{bmatrix} 1043 \\ 0121 \end{bmatrix} \\
2593 &= \mathbf{PI}(1, 7, 6, 5, 3, 1) = L_{3023} = \begin{bmatrix} 1015 \\ 0163 \end{bmatrix} \\
2594 &= \mathbf{PI}(2, 1, 7, 5, 3, 1) = L_{2835} = \begin{bmatrix} 1064 \\ 0157 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2595 &= \mathbf{PI}(1, 2, 7, 5, 3, 1) = L_{3024} = \begin{bmatrix} 1015 \\ 0173 \end{bmatrix} \\
2596 &= \mathbf{PI}(5, 3, 7, 5, 3, 1) = L_{1129} = \begin{bmatrix} 1071 \\ 0124 \end{bmatrix} \\
2597 &= \mathbf{PI}(6, 4, 7, 5, 3, 1) = L_{4285} = \begin{bmatrix} 1027 \\ 0136 \end{bmatrix} \\
2598 &= \mathbf{PI}(3, 5, 7, 5, 3, 1) = L_{2058} = \begin{bmatrix} 1043 \\ 0161 \end{bmatrix} \\
2599 &= \mathbf{PI}(4, 6, 7, 5, 3, 1) = L_{1431} = \begin{bmatrix} 1032 \\ 0145 \end{bmatrix} \\
2600 &= \mathbf{PI}(7, 7, 7, 5, 3, 1) = L_{3886} = \begin{bmatrix} 1056 \\ 0112 \end{bmatrix} \\
2601 &= \mathbf{PI}(3, 1, 0, 6, 3, 1) = L_{1468} = \begin{bmatrix} 1042 \\ 0101 \end{bmatrix} \\
2602 &= \mathbf{PI}(7, 2, 0, 6, 3, 1) = L_{2717} = \begin{bmatrix} 1054 \\ 0102 \end{bmatrix} \\
2603 &= \mathbf{PI}(1, 3, 0, 6, 3, 1) = L_{3601} = \begin{bmatrix} 1016 \\ 0103 \end{bmatrix} \\
2604 &= \mathbf{PI}(5, 4, 0, 6, 3, 1) = L_{3463} = \begin{bmatrix} 1075 \\ 0104 \end{bmatrix} \\
2605 &= \mathbf{PI}(4, 5, 0, 6, 3, 1) = L_{4347} = \begin{bmatrix} 1037 \\ 0105 \end{bmatrix} \\
2606 &= \mathbf{PI}(6, 6, 0, 6, 3, 1) = L_{778} = \begin{bmatrix} 1021 \\ 0106 \end{bmatrix} \\
2607 &= \mathbf{PI}(2, 7, 0, 6, 3, 1) = L_{2246} = \begin{bmatrix} 1063 \\ 0107 \end{bmatrix} \\
2608 &= \mathbf{PI}(5, 1, 1, 6, 3, 1) = L_{3470} = \begin{bmatrix} 1075 \\ 0174 \end{bmatrix} \\
2609 &= \mathbf{PI}(4, 2, 1, 6, 3, 1) = L_{4350} = \begin{bmatrix} 1037 \\ 0135 \end{bmatrix} \\
2610 &= \mathbf{PI}(3, 3, 1, 6, 3, 1) = L_{1472} = \begin{bmatrix} 1042 \\ 0141 \end{bmatrix} \\
2611 &= \mathbf{PI}(2, 4, 1, 6, 3, 1) = L_{2252} = \begin{bmatrix} 1063 \\ 0167 \end{bmatrix} \\
2612 &= \mathbf{PI}(1, 5, 1, 6, 3, 1) = L_{3602} = \begin{bmatrix} 1016 \\ 0113 \end{bmatrix} \\
2613 &= \mathbf{PI}(7, 6, 1, 6, 3, 1) = L_{2722} = \begin{bmatrix} 1054 \\ 0152 \end{bmatrix} \\
2614 &= \mathbf{PI}(6, 7, 1, 6, 3, 1) = L_{780} = \begin{bmatrix} 1021 \\ 0126 \end{bmatrix} \\
2615 &= \mathbf{PI}(2, 1, 2, 6, 3, 1) = L_{2247} = \begin{bmatrix} 1063 \\ 0117 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2616 &= \mathbf{PI}(1, 2, 2, 6, 3, 1) = L_{3603} = \begin{bmatrix} 1016 \\ 0123 \end{bmatrix} \\
2617 &= \mathbf{PI}(5, 3, 2, 6, 3, 1) = L_{3466} = \begin{bmatrix} 1075 \\ 0134 \end{bmatrix} \\
2618 &= \mathbf{PI}(6, 4, 2, 6, 3, 1) = L_{782} = \begin{bmatrix} 1021 \\ 0146 \end{bmatrix} \\
2619 &= \mathbf{PI}(3, 5, 2, 6, 3, 1) = L_{1473} = \begin{bmatrix} 1042 \\ 0151 \end{bmatrix} \\
2620 &= \mathbf{PI}(4, 6, 2, 6, 3, 1) = L_{4353} = \begin{bmatrix} 1037 \\ 0165 \end{bmatrix} \\
2621 &= \mathbf{PI}(7, 7, 2, 6, 3, 1) = L_{2724} = \begin{bmatrix} 1054 \\ 0172 \end{bmatrix} \\
2622 &= \mathbf{PI}(4, 1, 3, 6, 3, 1) = L_{4352} = \begin{bmatrix} 1037 \\ 0155 \end{bmatrix} \\
2623 &= \mathbf{PI}(2, 2, 3, 6, 3, 1) = L_{2253} = \begin{bmatrix} 1063 \\ 0177 \end{bmatrix} \\
2624 &= \mathbf{PI}(7, 3, 3, 6, 3, 1) = L_{2719} = \begin{bmatrix} 1054 \\ 0122 \end{bmatrix} \\
2625 &= \mathbf{PI}(1, 4, 3, 6, 3, 1) = L_{3604} = \begin{bmatrix} 1016 \\ 0133 \end{bmatrix} \\
2626 &= \mathbf{PI}(6, 5, 3, 6, 3, 1) = L_{784} = \begin{bmatrix} 1021 \\ 0166 \end{bmatrix} \\
2627 &= \mathbf{PI}(5, 6, 3, 6, 3, 1) = L_{3467} = \begin{bmatrix} 1075 \\ 0144 \end{bmatrix} \\
2628 &= \mathbf{PI}(3, 7, 3, 6, 3, 1) = L_{1469} = \begin{bmatrix} 1042 \\ 0111 \end{bmatrix} \\
2629 &= \mathbf{PI}(1, 1, 4, 6, 3, 1) = L_{3605} = \begin{bmatrix} 1016 \\ 0143 \end{bmatrix} \\
2630 &= \mathbf{PI}(6, 2, 4, 6, 3, 1) = L_{783} = \begin{bmatrix} 1021 \\ 0156 \end{bmatrix} \\
2631 &= \mathbf{PI}(4, 3, 4, 6, 3, 1) = L_{4348} = \begin{bmatrix} 1037 \\ 0115 \end{bmatrix} \\
2632 &= \mathbf{PI}(3, 4, 4, 6, 3, 1) = L_{1475} = \begin{bmatrix} 1042 \\ 0171 \end{bmatrix} \\
2633 &= \mathbf{PI}(7, 5, 4, 6, 3, 1) = L_{2720} = \begin{bmatrix} 1054 \\ 0132 \end{bmatrix} \\
2634 &= \mathbf{PI}(2, 6, 4, 6, 3, 1) = L_{2248} = \begin{bmatrix} 1063 \\ 0127 \end{bmatrix} \\
2635 &= \mathbf{PI}(5, 7, 4, 6, 3, 1) = L_{3469} = \begin{bmatrix} 1075 \\ 0164 \end{bmatrix} \\
2636 &= \mathbf{PI}(7, 1, 5, 6, 3, 1) = L_{2723} = \begin{bmatrix} 1054 \\ 0162 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2637 &= \mathbf{PI}(5, 2, 5, 6, 3, 1) = L_{3464} = \begin{bmatrix} 1075 \\ 0114 \end{bmatrix} \\
2638 &= \mathbf{PI}(6, 3, 5, 6, 3, 1) = L_{785} = \begin{bmatrix} 1021 \\ 0176 \end{bmatrix} \\
2639 &= \mathbf{PI}(4, 4, 5, 6, 3, 1) = L_{4349} = \begin{bmatrix} 1037 \\ 0125 \end{bmatrix} \\
2640 &= \mathbf{PI}(2, 5, 5, 6, 3, 1) = L_{2250} = \begin{bmatrix} 1063 \\ 0147 \end{bmatrix} \\
2641 &= \mathbf{PI}(3, 6, 5, 6, 3, 1) = L_{1471} = \begin{bmatrix} 1042 \\ 0131 \end{bmatrix} \\
2642 &= \mathbf{PI}(1, 7, 5, 6, 3, 1) = L_{3606} = \begin{bmatrix} 1016 \\ 0153 \end{bmatrix} \\
2643 &= \mathbf{PI}(0, 0, 6, 6, 3, 1) = L_{216} = \begin{bmatrix} 1200 \\ 0016 \end{bmatrix} \\
2644 &= \mathbf{PI}(1, 0, 6, 6, 3, 1) = L_{3607} = \begin{bmatrix} 1016 \\ 0163 \end{bmatrix} \\
2645 &= \mathbf{PI}(2, 0, 6, 6, 3, 1) = L_{2249} = \begin{bmatrix} 1063 \\ 0137 \end{bmatrix} \\
2646 &= \mathbf{PI}(3, 0, 6, 6, 3, 1) = L_{1470} = \begin{bmatrix} 1042 \\ 0121 \end{bmatrix} \\
2647 &= \mathbf{PI}(4, 0, 6, 6, 3, 1) = L_{4354} = \begin{bmatrix} 1037 \\ 0175 \end{bmatrix} \\
2648 &= \mathbf{PI}(5, 0, 6, 6, 3, 1) = L_{3468} = \begin{bmatrix} 1075 \\ 0154 \end{bmatrix} \\
2649 &= \mathbf{PI}(6, 0, 6, 6, 3, 1) = L_{779} = \begin{bmatrix} 1021 \\ 0116 \end{bmatrix} \\
2650 &= \mathbf{PI}(7, 0, 6, 6, 3, 1) = L_{2721} = \begin{bmatrix} 1054 \\ 0142 \end{bmatrix} \\
2651 &= \mathbf{PI}(0, 1, 6, 6, 3, 1) = L_{1384} = \begin{bmatrix} 1202 \\ 0016 \end{bmatrix} \\
2652 &= \mathbf{PI}(0, 2, 6, 6, 3, 1) = L_{2552} = \begin{bmatrix} 1204 \\ 0016 \end{bmatrix} \\
2653 &= \mathbf{PI}(0, 3, 6, 6, 3, 1) = L_{3720} = \begin{bmatrix} 1206 \\ 0016 \end{bmatrix} \\
2654 &= \mathbf{PI}(0, 4, 6, 6, 3, 1) = L_{3136} = \begin{bmatrix} 1205 \\ 0016 \end{bmatrix} \\
2655 &= \mathbf{PI}(0, 5, 6, 6, 3, 1) = L_{4304} = \begin{bmatrix} 1207 \\ 0016 \end{bmatrix} \\
2656 &= \mathbf{PI}(0, 6, 6, 6, 3, 1) = L_{800} = \begin{bmatrix} 1201 \\ 0016 \end{bmatrix} \\
2657 &= \mathbf{PI}(0, 7, 6, 6, 3, 1) = L_{1968} = \begin{bmatrix} 1203 \\ 0016 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2658 &= \mathbf{PI}(6, 1, 7, 6, 3, 1) = L_{781} = \begin{bmatrix} 1021 \\ 0136 \end{bmatrix} \\
2659 &= \mathbf{PI}(3, 2, 7, 6, 3, 1) = L_{1474} = \begin{bmatrix} 1042 \\ 0161 \end{bmatrix} \\
2660 &= \mathbf{PI}(2, 3, 7, 6, 3, 1) = L_{2251} = \begin{bmatrix} 1063 \\ 0157 \end{bmatrix} \\
2661 &= \mathbf{PI}(7, 4, 7, 6, 3, 1) = L_{2718} = \begin{bmatrix} 1054 \\ 0112 \end{bmatrix} \\
2662 &= \mathbf{PI}(5, 5, 7, 6, 3, 1) = L_{3465} = \begin{bmatrix} 1075 \\ 0124 \end{bmatrix} \\
2663 &= \mathbf{PI}(1, 6, 7, 6, 3, 1) = L_{3608} = \begin{bmatrix} 1016 \\ 0173 \end{bmatrix} \\
2664 &= \mathbf{PI}(4, 7, 7, 6, 3, 1) = L_{4351} = \begin{bmatrix} 1037 \\ 0145 \end{bmatrix} \\
2665 &= \mathbf{PI}(3, 1, 0, 7, 3, 1) = L_{3804} = \begin{bmatrix} 1046 \\ 0101 \end{bmatrix} \\
2666 &= \mathbf{PI}(7, 2, 0, 7, 3, 1) = L_{965} = \begin{bmatrix} 1051 \\ 0102 \end{bmatrix} \\
2667 &= \mathbf{PI}(1, 3, 0, 7, 3, 1) = L_{4185} = \begin{bmatrix} 1017 \\ 0103 \end{bmatrix} \\
2668 &= \mathbf{PI}(5, 4, 0, 7, 3, 1) = L_{1711} = \begin{bmatrix} 1072 \\ 0104 \end{bmatrix} \\
2669 &= \mathbf{PI}(4, 5, 0, 7, 3, 1) = L_{2595} = \begin{bmatrix} 1034 \\ 0105 \end{bmatrix} \\
2670 &= \mathbf{PI}(6, 6, 0, 7, 3, 1) = L_{1946} = \begin{bmatrix} 1023 \\ 0106 \end{bmatrix} \\
2671 &= \mathbf{PI}(2, 7, 0, 7, 3, 1) = L_{3414} = \begin{bmatrix} 1065 \\ 0107 \end{bmatrix} \\
2672 &= \mathbf{PI}(4, 1, 1, 7, 3, 1) = L_{2598} = \begin{bmatrix} 1034 \\ 0135 \end{bmatrix} \\
2673 &= \mathbf{PI}(2, 2, 1, 7, 3, 1) = L_{3420} = \begin{bmatrix} 1065 \\ 0167 \end{bmatrix} \\
2674 &= \mathbf{PI}(7, 3, 1, 7, 3, 1) = L_{970} = \begin{bmatrix} 1051 \\ 0152 \end{bmatrix} \\
2675 &= \mathbf{PI}(1, 4, 1, 7, 3, 1) = L_{4186} = \begin{bmatrix} 1017 \\ 0113 \end{bmatrix} \\
2676 &= \mathbf{PI}(6, 5, 1, 7, 3, 1) = L_{1948} = \begin{bmatrix} 1023 \\ 0126 \end{bmatrix} \\
2677 &= \mathbf{PI}(5, 6, 1, 7, 3, 1) = L_{1718} = \begin{bmatrix} 1072 \\ 0174 \end{bmatrix} \\
2678 &= \mathbf{PI}(3, 7, 1, 7, 3, 1) = L_{3808} = \begin{bmatrix} 1046 \\ 0141 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2679 &= \mathbf{PI}(0, 0, 2, 7, 3, 1) = L_{509} = \begin{bmatrix} 1600 \\ 0017 \end{bmatrix} \\
2680 &= \mathbf{PI}(1, 0, 2, 7, 3, 1) = L_{4187} = \begin{bmatrix} 1017 \\ 0123 \end{bmatrix} \\
2681 &= \mathbf{PI}(2, 0, 2, 7, 3, 1) = L_{3415} = \begin{bmatrix} 1065 \\ 0117 \end{bmatrix} \\
2682 &= \mathbf{PI}(3, 0, 2, 7, 3, 1) = L_{3809} = \begin{bmatrix} 1046 \\ 0151 \end{bmatrix} \\
2683 &= \mathbf{PI}(4, 0, 2, 7, 3, 1) = L_{2601} = \begin{bmatrix} 1034 \\ 0165 \end{bmatrix} \\
2684 &= \mathbf{PI}(5, 0, 2, 7, 3, 1) = L_{1714} = \begin{bmatrix} 1072 \\ 0134 \end{bmatrix} \\
2685 &= \mathbf{PI}(6, 0, 2, 7, 3, 1) = L_{1950} = \begin{bmatrix} 1023 \\ 0146 \end{bmatrix} \\
2686 &= \mathbf{PI}(7, 0, 2, 7, 3, 1) = L_{972} = \begin{bmatrix} 1051 \\ 0172 \end{bmatrix} \\
2687 &= \mathbf{PI}(0, 1, 2, 7, 3, 1) = L_{4013} = \begin{bmatrix} 1606 \\ 0017 \end{bmatrix} \\
2688 &= \mathbf{PI}(0, 2, 2, 7, 3, 1) = L_{1093} = \begin{bmatrix} 1601 \\ 0017 \end{bmatrix} \\
2689 &= \mathbf{PI}(0, 3, 2, 7, 3, 1) = L_{4597} = \begin{bmatrix} 1607 \\ 0017 \end{bmatrix} \\
2690 &= \mathbf{PI}(0, 4, 2, 7, 3, 1) = L_{1677} = \begin{bmatrix} 1602 \\ 0017 \end{bmatrix} \\
2691 &= \mathbf{PI}(0, 5, 2, 7, 3, 1) = L_{2845} = \begin{bmatrix} 1604 \\ 0017 \end{bmatrix} \\
2692 &= \mathbf{PI}(0, 6, 2, 7, 3, 1) = L_{2261} = \begin{bmatrix} 1603 \\ 0017 \end{bmatrix} \\
2693 &= \mathbf{PI}(0, 7, 2, 7, 3, 1) = L_{3429} = \begin{bmatrix} 1605 \\ 0017 \end{bmatrix} \\
2694 &= \mathbf{PI}(7, 1, 3, 7, 3, 1) = L_{967} = \begin{bmatrix} 1051 \\ 0122 \end{bmatrix} \\
2695 &= \mathbf{PI}(5, 2, 3, 7, 3, 1) = L_{1715} = \begin{bmatrix} 1072 \\ 0144 \end{bmatrix} \\
2696 &= \mathbf{PI}(6, 3, 3, 7, 3, 1) = L_{1952} = \begin{bmatrix} 1023 \\ 0166 \end{bmatrix} \\
2697 &= \mathbf{PI}(4, 4, 3, 7, 3, 1) = L_{2600} = \begin{bmatrix} 1034 \\ 0155 \end{bmatrix} \\
2698 &= \mathbf{PI}(2, 5, 3, 7, 3, 1) = L_{3421} = \begin{bmatrix} 1065 \\ 0177 \end{bmatrix} \\
2699 &= \mathbf{PI}(3, 6, 3, 7, 3, 1) = L_{3805} = \begin{bmatrix} 1046 \\ 0111 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
2700 &= \mathbf{PI}(1, 7, 3, 7, 3, 1) = L_{4188} = \begin{bmatrix} 1017 \\ 0133 \end{bmatrix} \\
2701 &= \mathbf{PI}(5, 1, 4, 7, 3, 1) = L_{1717} = \begin{bmatrix} 1072 \\ 0164 \end{bmatrix} \\
2702 &= \mathbf{PI}(4, 2, 4, 7, 3, 1) = L_{2596} = \begin{bmatrix} 1034 \\ 0115 \end{bmatrix} \\
2703 &= \mathbf{PI}(3, 3, 4, 7, 3, 1) = L_{3811} = \begin{bmatrix} 1046 \\ 0171 \end{bmatrix} \\
2704 &= \mathbf{PI}(2, 4, 4, 7, 3, 1) = L_{3416} = \begin{bmatrix} 1065 \\ 0127 \end{bmatrix} \\
2705 &= \mathbf{PI}(1, 5, 4, 7, 3, 1) = L_{4189} = \begin{bmatrix} 1017 \\ 0143 \end{bmatrix} \\
2706 &= \mathbf{PI}(7, 6, 4, 7, 3, 1) = L_{968} = \begin{bmatrix} 1051 \\ 0132 \end{bmatrix} \\
2707 &= \mathbf{PI}(6, 7, 4, 7, 3, 1) = L_{1951} = \begin{bmatrix} 1023 \\ 0156 \end{bmatrix} \\
2708 &= \mathbf{PI}(2, 1, 5, 7, 3, 1) = L_{3418} = \begin{bmatrix} 1065 \\ 0147 \end{bmatrix} \\
2709 &= \mathbf{PI}(1, 2, 5, 7, 3, 1) = L_{4190} = \begin{bmatrix} 1017 \\ 0153 \end{bmatrix} \\
2710 &= \mathbf{PI}(5, 3, 5, 7, 3, 1) = L_{1712} = \begin{bmatrix} 1072 \\ 0114 \end{bmatrix} \\
2711 &= \mathbf{PI}(6, 4, 5, 7, 3, 1) = L_{1953} = \begin{bmatrix} 1023 \\ 0176 \end{bmatrix} \\
2712 &= \mathbf{PI}(3, 5, 5, 7, 3, 1) = L_{3807} = \begin{bmatrix} 1046 \\ 0131 \end{bmatrix} \\
2713 &= \mathbf{PI}(4, 6, 5, 7, 3, 1) = L_{2597} = \begin{bmatrix} 1034 \\ 0125 \end{bmatrix} \\
2714 &= \mathbf{PI}(7, 7, 5, 7, 3, 1) = L_{971} = \begin{bmatrix} 1051 \\ 0162 \end{bmatrix} \\
2715 &= \mathbf{PI}(6, 1, 6, 7, 3, 1) = L_{1947} = \begin{bmatrix} 1023 \\ 0116 \end{bmatrix} \\
2716 &= \mathbf{PI}(3, 2, 6, 7, 3, 1) = L_{3806} = \begin{bmatrix} 1046 \\ 0121 \end{bmatrix} \\
2717 &= \mathbf{PI}(2, 3, 6, 7, 3, 1) = L_{3417} = \begin{bmatrix} 1065 \\ 0137 \end{bmatrix} \\
2718 &= \mathbf{PI}(7, 4, 6, 7, 3, 1) = L_{969} = \begin{bmatrix} 1051 \\ 0142 \end{bmatrix} \\
2719 &= \mathbf{PI}(5, 5, 6, 7, 3, 1) = L_{1716} = \begin{bmatrix} 1072 \\ 0154 \end{bmatrix} \\
2720 &= \mathbf{PI}(1, 6, 6, 7, 3, 1) = L_{4191} = \begin{bmatrix} 1017 \\ 0163 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2721 &= \mathbf{PI}(4, 7, 6, 7, 3, 1) = L_{2602} = \begin{bmatrix} 1034 \\ 0175 \end{bmatrix} \\
2722 &= \mathbf{PI}(1, 1, 7, 7, 3, 1) = L_{4192} = \begin{bmatrix} 1017 \\ 0173 \end{bmatrix} \\
2723 &= \mathbf{PI}(6, 2, 7, 7, 3, 1) = L_{1949} = \begin{bmatrix} 1023 \\ 0136 \end{bmatrix} \\
2724 &= \mathbf{PI}(4, 3, 7, 7, 3, 1) = L_{2599} = \begin{bmatrix} 1034 \\ 0145 \end{bmatrix} \\
2725 &= \mathbf{PI}(3, 4, 7, 7, 3, 1) = L_{3810} = \begin{bmatrix} 1046 \\ 0161 \end{bmatrix} \\
2726 &= \mathbf{PI}(7, 5, 7, 7, 3, 1) = L_{966} = \begin{bmatrix} 1051 \\ 0112 \end{bmatrix} \\
2727 &= \mathbf{PI}(2, 6, 7, 7, 3, 1) = L_{3419} = \begin{bmatrix} 1065 \\ 0157 \end{bmatrix} \\
2728 &= \mathbf{PI}(5, 7, 7, 7, 3, 1) = L_{1713} = \begin{bmatrix} 1072 \\ 0124 \end{bmatrix} \\
2729 &= \mathbf{PI}(4, 1, 0, 0, 4, 1) = L_{227} = \begin{bmatrix} 1030 \\ 0101 \end{bmatrix} \\
2730 &= \mathbf{PI}(2, 2, 0, 0, 4, 1) = L_{454} = \begin{bmatrix} 1060 \\ 0102 \end{bmatrix} \\
2731 &= \mathbf{PI}(7, 3, 0, 0, 4, 1) = L_{389} = \begin{bmatrix} 1050 \\ 0103 \end{bmatrix} \\
2732 &= \mathbf{PI}(1, 4, 0, 0, 4, 1) = L_{105} = \begin{bmatrix} 1010 \\ 0104 \end{bmatrix} \\
2733 &= \mathbf{PI}(6, 5, 0, 0, 4, 1) = L_{186} = \begin{bmatrix} 1020 \\ 0105 \end{bmatrix} \\
2734 &= \mathbf{PI}(5, 6, 0, 0, 4, 1) = L_{559} = \begin{bmatrix} 1070 \\ 0106 \end{bmatrix} \\
2735 &= \mathbf{PI}(3, 7, 0, 0, 4, 1) = L_{348} = \begin{bmatrix} 1040 \\ 0107 \end{bmatrix} \\
2736 &= \mathbf{PI}(4, 1, 1, 0, 4, 1) = L_{230} = \begin{bmatrix} 1030 \\ 0131 \end{bmatrix} \\
2737 &= \mathbf{PI}(2, 2, 1, 0, 4, 1) = L_{460} = \begin{bmatrix} 1060 \\ 0162 \end{bmatrix} \\
2738 &= \mathbf{PI}(7, 3, 1, 0, 4, 1) = L_{394} = \begin{bmatrix} 1050 \\ 0153 \end{bmatrix} \\
2739 &= \mathbf{PI}(1, 4, 1, 0, 4, 1) = L_{106} = \begin{bmatrix} 1010 \\ 0114 \end{bmatrix} \\
2740 &= \mathbf{PI}(6, 5, 1, 0, 4, 1) = L_{188} = \begin{bmatrix} 1020 \\ 0125 \end{bmatrix} \\
2741 &= \mathbf{PI}(5, 6, 1, 0, 4, 1) = L_{566} = \begin{bmatrix} 1070 \\ 0176 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2742 &= \mathbf{PI}(3, 7, 1, 0, 4, 1) = L_{352} = \begin{bmatrix} 1040 \\ 0147 \end{bmatrix} \\
2743 &= \mathbf{PI}(4, 1, 2, 0, 4, 1) = L_{233} = \begin{bmatrix} 1030 \\ 0161 \end{bmatrix} \\
2744 &= \mathbf{PI}(2, 2, 2, 0, 4, 1) = L_{455} = \begin{bmatrix} 1060 \\ 0112 \end{bmatrix} \\
2745 &= \mathbf{PI}(7, 3, 2, 0, 4, 1) = L_{396} = \begin{bmatrix} 1050 \\ 0173 \end{bmatrix} \\
2746 &= \mathbf{PI}(1, 4, 2, 0, 4, 1) = L_{107} = \begin{bmatrix} 1010 \\ 0124 \end{bmatrix} \\
2747 &= \mathbf{PI}(6, 5, 2, 0, 4, 1) = L_{190} = \begin{bmatrix} 1020 \\ 0145 \end{bmatrix} \\
2748 &= \mathbf{PI}(5, 6, 2, 0, 4, 1) = L_{562} = \begin{bmatrix} 1070 \\ 0136 \end{bmatrix} \\
2749 &= \mathbf{PI}(3, 7, 2, 0, 4, 1) = L_{353} = \begin{bmatrix} 1040 \\ 0157 \end{bmatrix} \\
2750 &= \mathbf{PI}(4, 1, 3, 0, 4, 1) = L_{232} = \begin{bmatrix} 1030 \\ 0151 \end{bmatrix} \\
2751 &= \mathbf{PI}(2, 2, 3, 0, 4, 1) = L_{461} = \begin{bmatrix} 1060 \\ 0172 \end{bmatrix} \\
2752 &= \mathbf{PI}(7, 3, 3, 0, 4, 1) = L_{391} = \begin{bmatrix} 1050 \\ 0123 \end{bmatrix} \\
2753 &= \mathbf{PI}(1, 4, 3, 0, 4, 1) = L_{108} = \begin{bmatrix} 1010 \\ 0134 \end{bmatrix} \\
2754 &= \mathbf{PI}(6, 5, 3, 0, 4, 1) = L_{192} = \begin{bmatrix} 1020 \\ 0165 \end{bmatrix} \\
2755 &= \mathbf{PI}(5, 6, 3, 0, 4, 1) = L_{563} = \begin{bmatrix} 1070 \\ 0146 \end{bmatrix} \\
2756 &= \mathbf{PI}(3, 7, 3, 0, 4, 1) = L_{349} = \begin{bmatrix} 1040 \\ 0117 \end{bmatrix} \\
2757 &= \mathbf{PI}(4, 1, 4, 0, 4, 1) = L_{228} = \begin{bmatrix} 1030 \\ 0111 \end{bmatrix} \\
2758 &= \mathbf{PI}(2, 2, 4, 0, 4, 1) = L_{456} = \begin{bmatrix} 1060 \\ 0122 \end{bmatrix} \\
2759 &= \mathbf{PI}(7, 3, 4, 0, 4, 1) = L_{392} = \begin{bmatrix} 1050 \\ 0133 \end{bmatrix} \\
2760 &= \mathbf{PI}(1, 4, 4, 0, 4, 1) = L_{109} = \begin{bmatrix} 1010 \\ 0144 \end{bmatrix} \\
2761 &= \mathbf{PI}(6, 5, 4, 0, 4, 1) = L_{191} = \begin{bmatrix} 1020 \\ 0155 \end{bmatrix} \\
2762 &= \mathbf{PI}(5, 6, 4, 0, 4, 1) = L_{565} = \begin{bmatrix} 1070 \\ 0166 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2763 &= \mathbf{PI}(3, 7, 4, 0, 4, 1) = L_{355} = \begin{bmatrix} 1040 \\ 0177 \end{bmatrix} \\
2764 &= \mathbf{PI}(4, 1, 5, 0, 4, 1) = L_{229} = \begin{bmatrix} 1030 \\ 0121 \end{bmatrix} \\
2765 &= \mathbf{PI}(2, 2, 5, 0, 4, 1) = L_{458} = \begin{bmatrix} 1060 \\ 0142 \end{bmatrix} \\
2766 &= \mathbf{PI}(7, 3, 5, 0, 4, 1) = L_{395} = \begin{bmatrix} 1050 \\ 0163 \end{bmatrix} \\
2767 &= \mathbf{PI}(1, 4, 5, 0, 4, 1) = L_{110} = \begin{bmatrix} 1010 \\ 0154 \end{bmatrix} \\
2768 &= \mathbf{PI}(6, 5, 5, 0, 4, 1) = L_{193} = \begin{bmatrix} 1020 \\ 0175 \end{bmatrix} \\
2769 &= \mathbf{PI}(5, 6, 5, 0, 4, 1) = L_{560} = \begin{bmatrix} 1070 \\ 0116 \end{bmatrix} \\
2770 &= \mathbf{PI}(3, 7, 5, 0, 4, 1) = L_{351} = \begin{bmatrix} 1040 \\ 0137 \end{bmatrix} \\
2771 &= \mathbf{PI}(4, 1, 6, 0, 4, 1) = L_{234} = \begin{bmatrix} 1030 \\ 0171 \end{bmatrix} \\
2772 &= \mathbf{PI}(2, 2, 6, 0, 4, 1) = L_{457} = \begin{bmatrix} 1060 \\ 0132 \end{bmatrix} \\
2773 &= \mathbf{PI}(7, 3, 6, 0, 4, 1) = L_{393} = \begin{bmatrix} 1050 \\ 0143 \end{bmatrix} \\
2774 &= \mathbf{PI}(1, 4, 6, 0, 4, 1) = L_{111} = \begin{bmatrix} 1010 \\ 0164 \end{bmatrix} \\
2775 &= \mathbf{PI}(6, 5, 6, 0, 4, 1) = L_{187} = \begin{bmatrix} 1020 \\ 0115 \end{bmatrix} \\
2776 &= \mathbf{PI}(5, 6, 6, 0, 4, 1) = L_{564} = \begin{bmatrix} 1070 \\ 0156 \end{bmatrix} \\
2777 &= \mathbf{PI}(3, 7, 6, 0, 4, 1) = L_{350} = \begin{bmatrix} 1040 \\ 0127 \end{bmatrix} \\
2778 &= \mathbf{PI}(4, 1, 7, 0, 4, 1) = L_{231} = \begin{bmatrix} 1030 \\ 0141 \end{bmatrix} \\
2779 &= \mathbf{PI}(2, 2, 7, 0, 4, 1) = L_{459} = \begin{bmatrix} 1060 \\ 0152 \end{bmatrix} \\
2780 &= \mathbf{PI}(7, 3, 7, 0, 4, 1) = L_{390} = \begin{bmatrix} 1050 \\ 0113 \end{bmatrix} \\
2781 &= \mathbf{PI}(1, 4, 7, 0, 4, 1) = L_{112} = \begin{bmatrix} 1010 \\ 0174 \end{bmatrix} \\
2782 &= \mathbf{PI}(6, 5, 7, 0, 4, 1) = L_{189} = \begin{bmatrix} 1020 \\ 0135 \end{bmatrix} \\
2783 &= \mathbf{PI}(5, 6, 7, 0, 4, 1) = L_{561} = \begin{bmatrix} 1070 \\ 0126 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2784 &= \mathbf{PI}(3, 7, 7, 0, 4, 1) = L_{354} = \begin{bmatrix} 1040 \\ 0167 \end{bmatrix} \\
2785 &= \mathbf{PI}(4, 1, 0, 1, 4, 1) = L_{1979} = \begin{bmatrix} 1033 \\ 0101 \end{bmatrix} \\
2786 &= \mathbf{PI}(2, 2, 0, 1, 4, 1) = L_{3958} = \begin{bmatrix} 1066 \\ 0102 \end{bmatrix} \\
2787 &= \mathbf{PI}(7, 3, 0, 1, 4, 1) = L_{3309} = \begin{bmatrix} 1055 \\ 0103 \end{bmatrix} \\
2788 &= \mathbf{PI}(1, 4, 0, 1, 4, 1) = L_{689} = \begin{bmatrix} 1011 \\ 0104 \end{bmatrix} \\
2789 &= \mathbf{PI}(6, 5, 0, 1, 4, 1) = L_{1354} = \begin{bmatrix} 1022 \\ 0105 \end{bmatrix} \\
2790 &= \mathbf{PI}(5, 6, 0, 1, 4, 1) = L_{4647} = \begin{bmatrix} 1077 \\ 0106 \end{bmatrix} \\
2791 &= \mathbf{PI}(3, 7, 0, 1, 4, 1) = L_{2684} = \begin{bmatrix} 1044 \\ 0107 \end{bmatrix} \\
2792 &= \mathbf{PI}(5, 1, 1, 1, 4, 1) = L_{4654} = \begin{bmatrix} 1077 \\ 0176 \end{bmatrix} \\
2793 &= \mathbf{PI}(4, 2, 1, 1, 4, 1) = L_{1982} = \begin{bmatrix} 1033 \\ 0131 \end{bmatrix} \\
2794 &= \mathbf{PI}(3, 3, 1, 1, 4, 1) = L_{2688} = \begin{bmatrix} 1044 \\ 0147 \end{bmatrix} \\
2795 &= \mathbf{PI}(2, 4, 1, 1, 4, 1) = L_{3964} = \begin{bmatrix} 1066 \\ 0162 \end{bmatrix} \\
2796 &= \mathbf{PI}(1, 5, 1, 1, 4, 1) = L_{690} = \begin{bmatrix} 1011 \\ 0114 \end{bmatrix} \\
2797 &= \mathbf{PI}(7, 6, 1, 1, 4, 1) = L_{3314} = \begin{bmatrix} 1055 \\ 0153 \end{bmatrix} \\
2798 &= \mathbf{PI}(6, 7, 1, 1, 4, 1) = L_{1356} = \begin{bmatrix} 1022 \\ 0125 \end{bmatrix} \\
2799 &= \mathbf{PI}(6, 1, 2, 1, 4, 1) = L_{1358} = \begin{bmatrix} 1022 \\ 0145 \end{bmatrix} \\
2800 &= \mathbf{PI}(3, 2, 2, 1, 4, 1) = L_{2689} = \begin{bmatrix} 1044 \\ 0157 \end{bmatrix} \\
2801 &= \mathbf{PI}(2, 3, 2, 1, 4, 1) = L_{3959} = \begin{bmatrix} 1066 \\ 0112 \end{bmatrix} \\
2802 &= \mathbf{PI}(7, 4, 2, 1, 4, 1) = L_{3316} = \begin{bmatrix} 1055 \\ 0173 \end{bmatrix} \\
2803 &= \mathbf{PI}(5, 5, 2, 1, 4, 1) = L_{4650} = \begin{bmatrix} 1077 \\ 0136 \end{bmatrix} \\
2804 &= \mathbf{PI}(1, 6, 2, 1, 4, 1) = L_{691} = \begin{bmatrix} 1011 \\ 0124 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2805 &= \mathbf{PI}(4, 7, 2, 1, 4, 1) = L_{1985} = \begin{bmatrix} 1033 \\ 0161 \end{bmatrix} \\
2806 &= \mathbf{PI}(7, 1, 3, 1, 4, 1) = L_{3311} = \begin{bmatrix} 1055 \\ 0123 \end{bmatrix} \\
2807 &= \mathbf{PI}(5, 2, 3, 1, 4, 1) = L_{4651} = \begin{bmatrix} 1077 \\ 0146 \end{bmatrix} \\
2808 &= \mathbf{PI}(6, 3, 3, 1, 4, 1) = L_{1360} = \begin{bmatrix} 1022 \\ 0165 \end{bmatrix} \\
2809 &= \mathbf{PI}(4, 4, 3, 1, 4, 1) = L_{1984} = \begin{bmatrix} 1033 \\ 0151 \end{bmatrix} \\
2810 &= \mathbf{PI}(2, 5, 3, 1, 4, 1) = L_{3965} = \begin{bmatrix} 1066 \\ 0172 \end{bmatrix} \\
2811 &= \mathbf{PI}(3, 6, 3, 1, 4, 1) = L_{2685} = \begin{bmatrix} 1044 \\ 0117 \end{bmatrix} \\
2812 &= \mathbf{PI}(1, 7, 3, 1, 4, 1) = L_{692} = \begin{bmatrix} 1011 \\ 0134 \end{bmatrix} \\
2813 &= \mathbf{PI}(0, 0, 4, 1, 4, 1) = L_{284} = \begin{bmatrix} 1300 \\ 0011 \end{bmatrix} \\
2814 &= \mathbf{PI}(1, 0, 4, 1, 4, 1) = L_{693} = \begin{bmatrix} 1011 \\ 0144 \end{bmatrix} \\
2815 &= \mathbf{PI}(2, 0, 4, 1, 4, 1) = L_{3960} = \begin{bmatrix} 1066 \\ 0122 \end{bmatrix} \\
2816 &= \mathbf{PI}(3, 0, 4, 1, 4, 1) = L_{2691} = \begin{bmatrix} 1044 \\ 0177 \end{bmatrix} \\
2817 &= \mathbf{PI}(4, 0, 4, 1, 4, 1) = L_{1980} = \begin{bmatrix} 1033 \\ 0111 \end{bmatrix} \\
2818 &= \mathbf{PI}(5, 0, 4, 1, 4, 1) = L_{4653} = \begin{bmatrix} 1077 \\ 0166 \end{bmatrix} \\
2819 &= \mathbf{PI}(6, 0, 4, 1, 4, 1) = L_{1359} = \begin{bmatrix} 1022 \\ 0155 \end{bmatrix} \\
2820 &= \mathbf{PI}(7, 0, 4, 1, 4, 1) = L_{3312} = \begin{bmatrix} 1055 \\ 0133 \end{bmatrix} \\
2821 &= \mathbf{PI}(0, 1, 4, 1, 4, 1) = L_{2036} = \begin{bmatrix} 1303 \\ 0011 \end{bmatrix} \\
2822 &= \mathbf{PI}(0, 2, 4, 1, 4, 1) = L_{3788} = \begin{bmatrix} 1306 \\ 0011 \end{bmatrix} \\
2823 &= \mathbf{PI}(0, 3, 4, 1, 4, 1) = L_{3204} = \begin{bmatrix} 1305 \\ 0011 \end{bmatrix} \\
2824 &= \mathbf{PI}(0, 4, 4, 1, 4, 1) = L_{868} = \begin{bmatrix} 1301 \\ 0011 \end{bmatrix} \\
2825 &= \mathbf{PI}(0, 5, 4, 1, 4, 1) = L_{1452} = \begin{bmatrix} 1302 \\ 0011 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2826 &= \mathbf{PI}(0, 6, 4, 1, 4, 1) = L_{4372} = \begin{bmatrix} 1307 \\ 0011 \end{bmatrix} \\
2827 &= \mathbf{PI}(0, 7, 4, 1, 4, 1) = L_{2620} = \begin{bmatrix} 1304 \\ 0011 \end{bmatrix} \\
2828 &= \mathbf{PI}(1, 1, 5, 1, 4, 1) = L_{694} = \begin{bmatrix} 1011 \\ 0154 \end{bmatrix} \\
2829 &= \mathbf{PI}(6, 2, 5, 1, 4, 1) = L_{1361} = \begin{bmatrix} 1022 \\ 0175 \end{bmatrix} \\
2830 &= \mathbf{PI}(4, 3, 5, 1, 4, 1) = L_{1981} = \begin{bmatrix} 1033 \\ 0121 \end{bmatrix} \\
2831 &= \mathbf{PI}(3, 4, 5, 1, 4, 1) = L_{2687} = \begin{bmatrix} 1044 \\ 0137 \end{bmatrix} \\
2832 &= \mathbf{PI}(7, 5, 5, 1, 4, 1) = L_{3315} = \begin{bmatrix} 1055 \\ 0163 \end{bmatrix} \\
2833 &= \mathbf{PI}(2, 6, 5, 1, 4, 1) = L_{3962} = \begin{bmatrix} 1066 \\ 0142 \end{bmatrix} \\
2834 &= \mathbf{PI}(5, 7, 5, 1, 4, 1) = L_{4648} = \begin{bmatrix} 1077 \\ 0116 \end{bmatrix} \\
2835 &= \mathbf{PI}(2, 1, 6, 1, 4, 1) = L_{3961} = \begin{bmatrix} 1066 \\ 0132 \end{bmatrix} \\
2836 &= \mathbf{PI}(1, 2, 6, 1, 4, 1) = L_{695} = \begin{bmatrix} 1011 \\ 0164 \end{bmatrix} \\
2837 &= \mathbf{PI}(5, 3, 6, 1, 4, 1) = L_{4652} = \begin{bmatrix} 1077 \\ 0156 \end{bmatrix} \\
2838 &= \mathbf{PI}(6, 4, 6, 1, 4, 1) = L_{1355} = \begin{bmatrix} 1022 \\ 0115 \end{bmatrix} \\
2839 &= \mathbf{PI}(3, 5, 6, 1, 4, 1) = L_{2686} = \begin{bmatrix} 1044 \\ 0127 \end{bmatrix} \\
2840 &= \mathbf{PI}(4, 6, 6, 1, 4, 1) = L_{1986} = \begin{bmatrix} 1033 \\ 0171 \end{bmatrix} \\
2841 &= \mathbf{PI}(7, 7, 6, 1, 4, 1) = L_{3313} = \begin{bmatrix} 1055 \\ 0143 \end{bmatrix} \\
2842 &= \mathbf{PI}(3, 1, 7, 1, 4, 1) = L_{2690} = \begin{bmatrix} 1044 \\ 0167 \end{bmatrix} \\
2843 &= \mathbf{PI}(7, 2, 7, 1, 4, 1) = L_{3310} = \begin{bmatrix} 1055 \\ 0113 \end{bmatrix} \\
2844 &= \mathbf{PI}(1, 3, 7, 1, 4, 1) = L_{696} = \begin{bmatrix} 1011 \\ 0174 \end{bmatrix} \\
2845 &= \mathbf{PI}(5, 4, 7, 1, 4, 1) = L_{4649} = \begin{bmatrix} 1077 \\ 0126 \end{bmatrix} \\
2846 &= \mathbf{PI}(4, 5, 7, 1, 4, 1) = L_{1983} = \begin{bmatrix} 1033 \\ 0141 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2847 &= \mathbf{PI}(6, 6, 7, 1, 4, 1) = L_{1357} = \begin{bmatrix} 1022 \\ 0135 \end{bmatrix} \\
2848 &= \mathbf{PI}(2, 7, 7, 1, 4, 1) = L_{3963} = \begin{bmatrix} 1066 \\ 0152 \end{bmatrix} \\
2849 &= \mathbf{PI}(4, 1, 0, 2, 4, 1) = L_{3731} = \begin{bmatrix} 1036 \\ 0101 \end{bmatrix} \\
2850 &= \mathbf{PI}(2, 2, 0, 2, 4, 1) = L_{1038} = \begin{bmatrix} 1061 \\ 0102 \end{bmatrix} \\
2851 &= \mathbf{PI}(7, 3, 0, 2, 4, 1) = L_{4477} = \begin{bmatrix} 1057 \\ 0103 \end{bmatrix} \\
2852 &= \mathbf{PI}(1, 4, 0, 2, 4, 1) = L_{1273} = \begin{bmatrix} 1012 \\ 0104 \end{bmatrix} \\
2853 &= \mathbf{PI}(6, 5, 0, 2, 4, 1) = L_{2522} = \begin{bmatrix} 1024 \\ 0105 \end{bmatrix} \\
2854 &= \mathbf{PI}(5, 6, 0, 2, 4, 1) = L_{2311} = \begin{bmatrix} 1073 \\ 0106 \end{bmatrix} \\
2855 &= \mathbf{PI}(3, 7, 0, 2, 4, 1) = L_{3268} = \begin{bmatrix} 1045 \\ 0107 \end{bmatrix} \\
2856 &= \mathbf{PI}(6, 1, 1, 2, 4, 1) = L_{2524} = \begin{bmatrix} 1024 \\ 0125 \end{bmatrix} \\
2857 &= \mathbf{PI}(3, 2, 1, 2, 4, 1) = L_{3272} = \begin{bmatrix} 1045 \\ 0147 \end{bmatrix} \\
2858 &= \mathbf{PI}(2, 3, 1, 2, 4, 1) = L_{1044} = \begin{bmatrix} 1061 \\ 0162 \end{bmatrix} \\
2859 &= \mathbf{PI}(7, 4, 1, 2, 4, 1) = L_{4482} = \begin{bmatrix} 1057 \\ 0153 \end{bmatrix} \\
2860 &= \mathbf{PI}(5, 5, 1, 2, 4, 1) = L_{2318} = \begin{bmatrix} 1073 \\ 0176 \end{bmatrix} \\
2861 &= \mathbf{PI}(1, 6, 1, 2, 4, 1) = L_{1274} = \begin{bmatrix} 1012 \\ 0114 \end{bmatrix} \\
2862 &= \mathbf{PI}(4, 7, 1, 2, 4, 1) = L_{3734} = \begin{bmatrix} 1036 \\ 0131 \end{bmatrix} \\
2863 &= \mathbf{PI}(0, 0, 2, 2, 4, 1) = L_{504} = \begin{bmatrix} 1600 \\ 0012 \end{bmatrix} \\
2864 &= \mathbf{PI}(1, 0, 2, 2, 4, 1) = L_{1275} = \begin{bmatrix} 1012 \\ 0124 \end{bmatrix} \\
2865 &= \mathbf{PI}(2, 0, 2, 2, 4, 1) = L_{1039} = \begin{bmatrix} 1061 \\ 0112 \end{bmatrix} \\
2866 &= \mathbf{PI}(3, 0, 2, 2, 4, 1) = L_{3273} = \begin{bmatrix} 1045 \\ 0157 \end{bmatrix} \\
2867 &= \mathbf{PI}(4, 0, 2, 2, 4, 1) = L_{3737} = \begin{bmatrix} 1036 \\ 0161 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
2868 &= \mathbf{PI}(5, 0, 2, 2, 4, 1) = L_{2314} = \begin{bmatrix} 1073 \\ 0136 \end{bmatrix} \\
2869 &= \mathbf{PI}(6, 0, 2, 2, 4, 1) = L_{2526} = \begin{bmatrix} 1024 \\ 0145 \end{bmatrix} \\
2870 &= \mathbf{PI}(7, 0, 2, 2, 4, 1) = L_{4484} = \begin{bmatrix} 1057 \\ 0173 \end{bmatrix} \\
2871 &= \mathbf{PI}(0, 1, 2, 2, 4, 1) = L_{4008} = \begin{bmatrix} 1606 \\ 0012 \end{bmatrix} \\
2872 &= \mathbf{PI}(0, 2, 2, 2, 4, 1) = L_{1088} = \begin{bmatrix} 1601 \\ 0012 \end{bmatrix} \\
2873 &= \mathbf{PI}(0, 3, 2, 2, 4, 1) = L_{4592} = \begin{bmatrix} 1607 \\ 0012 \end{bmatrix} \\
2874 &= \mathbf{PI}(0, 4, 2, 2, 4, 1) = L_{1672} = \begin{bmatrix} 1602 \\ 0012 \end{bmatrix} \\
2875 &= \mathbf{PI}(0, 5, 2, 2, 4, 1) = L_{2840} = \begin{bmatrix} 1604 \\ 0012 \end{bmatrix} \\
2876 &= \mathbf{PI}(0, 6, 2, 2, 4, 1) = L_{2256} = \begin{bmatrix} 1603 \\ 0012 \end{bmatrix} \\
2877 &= \mathbf{PI}(0, 7, 2, 2, 4, 1) = L_{3424} = \begin{bmatrix} 1605 \\ 0012 \end{bmatrix} \\
2878 &= \mathbf{PI}(2, 1, 3, 2, 4, 1) = L_{1045} = \begin{bmatrix} 1061 \\ 0172 \end{bmatrix} \\
2879 &= \mathbf{PI}(1, 2, 3, 2, 4, 1) = L_{1276} = \begin{bmatrix} 1012 \\ 0134 \end{bmatrix} \\
2880 &= \mathbf{PI}(5, 3, 3, 2, 4, 1) = L_{2315} = \begin{bmatrix} 1073 \\ 0146 \end{bmatrix} \\
2881 &= \mathbf{PI}(6, 4, 3, 2, 4, 1) = L_{2528} = \begin{bmatrix} 1024 \\ 0165 \end{bmatrix} \\
2882 &= \mathbf{PI}(3, 5, 3, 2, 4, 1) = L_{3269} = \begin{bmatrix} 1045 \\ 0117 \end{bmatrix} \\
2883 &= \mathbf{PI}(4, 6, 3, 2, 4, 1) = L_{3736} = \begin{bmatrix} 1036 \\ 0151 \end{bmatrix} \\
2884 &= \mathbf{PI}(7, 7, 3, 2, 4, 1) = L_{4479} = \begin{bmatrix} 1057 \\ 0123 \end{bmatrix} \\
2885 &= \mathbf{PI}(1, 1, 4, 2, 4, 1) = L_{1277} = \begin{bmatrix} 1012 \\ 0144 \end{bmatrix} \\
2886 &= \mathbf{PI}(6, 2, 4, 2, 4, 1) = L_{2527} = \begin{bmatrix} 1024 \\ 0155 \end{bmatrix} \\
2887 &= \mathbf{PI}(4, 3, 4, 2, 4, 1) = L_{3732} = \begin{bmatrix} 1036 \\ 0111 \end{bmatrix} \\
2888 &= \mathbf{PI}(3, 4, 4, 2, 4, 1) = L_{3275} = \begin{bmatrix} 1045 \\ 0177 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2889 &= \mathbf{PI}(7, 5, 4, 2, 4, 1) = L_{4480} = \begin{bmatrix} 1057 \\ 0133 \end{bmatrix} \\
2890 &= \mathbf{PI}(2, 6, 4, 2, 4, 1) = L_{1040} = \begin{bmatrix} 1061 \\ 0122 \end{bmatrix} \\
2891 &= \mathbf{PI}(5, 7, 4, 2, 4, 1) = L_{2317} = \begin{bmatrix} 1073 \\ 0166 \end{bmatrix} \\
2892 &= \mathbf{PI}(3, 1, 5, 2, 4, 1) = L_{3271} = \begin{bmatrix} 1045 \\ 0137 \end{bmatrix} \\
2893 &= \mathbf{PI}(7, 2, 5, 2, 4, 1) = L_{4483} = \begin{bmatrix} 1057 \\ 0163 \end{bmatrix} \\
2894 &= \mathbf{PI}(1, 3, 5, 2, 4, 1) = L_{1278} = \begin{bmatrix} 1012 \\ 0154 \end{bmatrix} \\
2895 &= \mathbf{PI}(5, 4, 5, 2, 4, 1) = L_{2312} = \begin{bmatrix} 1073 \\ 0116 \end{bmatrix} \\
2896 &= \mathbf{PI}(4, 5, 5, 2, 4, 1) = L_{3733} = \begin{bmatrix} 1036 \\ 0121 \end{bmatrix} \\
2897 &= \mathbf{PI}(6, 6, 5, 2, 4, 1) = L_{2529} = \begin{bmatrix} 1024 \\ 0175 \end{bmatrix} \\
2898 &= \mathbf{PI}(2, 7, 5, 2, 4, 1) = L_{1042} = \begin{bmatrix} 1061 \\ 0142 \end{bmatrix} \\
2899 &= \mathbf{PI}(5, 1, 6, 2, 4, 1) = L_{2316} = \begin{bmatrix} 1073 \\ 0156 \end{bmatrix} \\
2900 &= \mathbf{PI}(4, 2, 6, 2, 4, 1) = L_{3738} = \begin{bmatrix} 1036 \\ 0171 \end{bmatrix} \\
2901 &= \mathbf{PI}(3, 3, 6, 2, 4, 1) = L_{3270} = \begin{bmatrix} 1045 \\ 0127 \end{bmatrix} \\
2902 &= \mathbf{PI}(2, 4, 6, 2, 4, 1) = L_{1041} = \begin{bmatrix} 1061 \\ 0132 \end{bmatrix} \\
2903 &= \mathbf{PI}(1, 5, 6, 2, 4, 1) = L_{1279} = \begin{bmatrix} 1012 \\ 0164 \end{bmatrix} \\
2904 &= \mathbf{PI}(7, 6, 6, 2, 4, 1) = L_{4481} = \begin{bmatrix} 1057 \\ 0143 \end{bmatrix} \\
2905 &= \mathbf{PI}(6, 7, 6, 2, 4, 1) = L_{2523} = \begin{bmatrix} 1024 \\ 0115 \end{bmatrix} \\
2906 &= \mathbf{PI}(7, 1, 7, 2, 4, 1) = L_{4478} = \begin{bmatrix} 1057 \\ 0113 \end{bmatrix} \\
2907 &= \mathbf{PI}(5, 2, 7, 2, 4, 1) = L_{2313} = \begin{bmatrix} 1073 \\ 0126 \end{bmatrix} \\
2908 &= \mathbf{PI}(6, 3, 7, 2, 4, 1) = L_{2525} = \begin{bmatrix} 1024 \\ 0135 \end{bmatrix} \\
2909 &= \mathbf{PI}(4, 4, 7, 2, 4, 1) = L_{3735} = \begin{bmatrix} 1036 \\ 0141 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2910 &= \mathbf{PI}(2, 5, 7, 2, 4, 1) = L_{1043} = \begin{bmatrix} 1061 \\ 0152 \end{bmatrix} \\
2911 &= \mathbf{PI}(3, 6, 7, 2, 4, 1) = L_{3274} = \begin{bmatrix} 1045 \\ 0167 \end{bmatrix} \\
2912 &= \mathbf{PI}(1, 7, 7, 2, 4, 1) = L_{1280} = \begin{bmatrix} 1012 \\ 0174 \end{bmatrix} \\
2913 &= \mathbf{PI}(4, 1, 0, 3, 4, 1) = L_{3147} = \begin{bmatrix} 1035 \\ 0101 \end{bmatrix} \\
2914 &= \mathbf{PI}(2, 2, 0, 3, 4, 1) = L_{4542} = \begin{bmatrix} 1067 \\ 0102 \end{bmatrix} \\
2915 &= \mathbf{PI}(7, 3, 0, 3, 4, 1) = L_{1557} = \begin{bmatrix} 1052 \\ 0103 \end{bmatrix} \\
2916 &= \mathbf{PI}(1, 4, 0, 3, 4, 1) = L_{1857} = \begin{bmatrix} 1013 \\ 0104 \end{bmatrix} \\
2917 &= \mathbf{PI}(6, 5, 0, 3, 4, 1) = L_{3690} = \begin{bmatrix} 1026 \\ 0105 \end{bmatrix} \\
2918 &= \mathbf{PI}(5, 6, 0, 3, 4, 1) = L_{2895} = \begin{bmatrix} 1074 \\ 0106 \end{bmatrix} \\
2919 &= \mathbf{PI}(3, 7, 0, 3, 4, 1) = L_{932} = \begin{bmatrix} 1041 \\ 0107 \end{bmatrix} \\
2920 &= \mathbf{PI}(7, 1, 1, 3, 4, 1) = L_{1562} = \begin{bmatrix} 1052 \\ 0153 \end{bmatrix} \\
2921 &= \mathbf{PI}(5, 2, 1, 3, 4, 1) = L_{2902} = \begin{bmatrix} 1074 \\ 0176 \end{bmatrix} \\
2922 &= \mathbf{PI}(6, 3, 1, 3, 4, 1) = L_{3692} = \begin{bmatrix} 1026 \\ 0125 \end{bmatrix} \\
2923 &= \mathbf{PI}(4, 4, 1, 3, 4, 1) = L_{3150} = \begin{bmatrix} 1035 \\ 0131 \end{bmatrix} \\
2924 &= \mathbf{PI}(2, 5, 1, 3, 4, 1) = L_{4548} = \begin{bmatrix} 1067 \\ 0162 \end{bmatrix} \\
2925 &= \mathbf{PI}(3, 6, 1, 3, 4, 1) = L_{936} = \begin{bmatrix} 1041 \\ 0147 \end{bmatrix} \\
2926 &= \mathbf{PI}(1, 7, 1, 3, 4, 1) = L_{1858} = \begin{bmatrix} 1013 \\ 0114 \end{bmatrix} \\
2927 &= \mathbf{PI}(2, 1, 2, 3, 4, 1) = L_{4543} = \begin{bmatrix} 1067 \\ 0112 \end{bmatrix} \\
2928 &= \mathbf{PI}(1, 2, 2, 3, 4, 1) = L_{1859} = \begin{bmatrix} 1013 \\ 0124 \end{bmatrix} \\
2929 &= \mathbf{PI}(5, 3, 2, 3, 4, 1) = L_{2898} = \begin{bmatrix} 1074 \\ 0136 \end{bmatrix} \\
2930 &= \mathbf{PI}(6, 4, 2, 3, 4, 1) = L_{3694} = \begin{bmatrix} 1026 \\ 0145 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2931 &= \mathbf{PI}(3, 5, 2, 3, 4, 1) = L_{937} = \begin{bmatrix} 1041 \\ 0157 \end{bmatrix} \\
2932 &= \mathbf{PI}(4, 6, 2, 3, 4, 1) = L_{3153} = \begin{bmatrix} 1035 \\ 0161 \end{bmatrix} \\
2933 &= \mathbf{PI}(7, 7, 2, 3, 4, 1) = L_{1564} = \begin{bmatrix} 1052 \\ 0173 \end{bmatrix} \\
2934 &= \mathbf{PI}(1, 1, 3, 3, 4, 1) = L_{1860} = \begin{bmatrix} 1013 \\ 0134 \end{bmatrix} \\
2935 &= \mathbf{PI}(6, 2, 3, 3, 4, 1) = L_{3696} = \begin{bmatrix} 1026 \\ 0165 \end{bmatrix} \\
2936 &= \mathbf{PI}(4, 3, 3, 3, 4, 1) = L_{3152} = \begin{bmatrix} 1035 \\ 0151 \end{bmatrix} \\
2937 &= \mathbf{PI}(3, 4, 3, 3, 4, 1) = L_{933} = \begin{bmatrix} 1041 \\ 0117 \end{bmatrix} \\
2938 &= \mathbf{PI}(7, 5, 3, 3, 4, 1) = L_{1559} = \begin{bmatrix} 1052 \\ 0123 \end{bmatrix} \\
2939 &= \mathbf{PI}(2, 6, 3, 3, 4, 1) = L_{4549} = \begin{bmatrix} 1067 \\ 0172 \end{bmatrix} \\
2940 &= \mathbf{PI}(5, 7, 3, 3, 4, 1) = L_{2899} = \begin{bmatrix} 1074 \\ 0146 \end{bmatrix} \\
2941 &= \mathbf{PI}(5, 1, 4, 3, 4, 1) = L_{2901} = \begin{bmatrix} 1074 \\ 0166 \end{bmatrix} \\
2942 &= \mathbf{PI}(4, 2, 4, 3, 4, 1) = L_{3148} = \begin{bmatrix} 1035 \\ 0111 \end{bmatrix} \\
2943 &= \mathbf{PI}(3, 3, 4, 3, 4, 1) = L_{939} = \begin{bmatrix} 1041 \\ 0177 \end{bmatrix} \\
2944 &= \mathbf{PI}(2, 4, 4, 3, 4, 1) = L_{4544} = \begin{bmatrix} 1067 \\ 0122 \end{bmatrix} \\
2945 &= \mathbf{PI}(1, 5, 4, 3, 4, 1) = L_{1861} = \begin{bmatrix} 1013 \\ 0144 \end{bmatrix} \\
2946 &= \mathbf{PI}(7, 6, 4, 3, 4, 1) = L_{1560} = \begin{bmatrix} 1052 \\ 0133 \end{bmatrix} \\
2947 &= \mathbf{PI}(6, 7, 4, 3, 4, 1) = L_{3695} = \begin{bmatrix} 1026 \\ 0155 \end{bmatrix} \\
2948 &= \mathbf{PI}(6, 1, 5, 3, 4, 1) = L_{3697} = \begin{bmatrix} 1026 \\ 0175 \end{bmatrix} \\
2949 &= \mathbf{PI}(3, 2, 5, 3, 4, 1) = L_{935} = \begin{bmatrix} 1041 \\ 0137 \end{bmatrix} \\
2950 &= \mathbf{PI}(2, 3, 5, 3, 4, 1) = L_{4546} = \begin{bmatrix} 1067 \\ 0142 \end{bmatrix} \\
2951 &= \mathbf{PI}(7, 4, 5, 3, 4, 1) = L_{1563} = \begin{bmatrix} 1052 \\ 0163 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2952 &= \mathbf{PI}(5, 5, 5, 3, 4, 1) = L_{2896} = \begin{bmatrix} 1074 \\ 0116 \end{bmatrix} \\
2953 &= \mathbf{PI}(1, 6, 5, 3, 4, 1) = L_{1862} = \begin{bmatrix} 1013 \\ 0154 \end{bmatrix} \\
2954 &= \mathbf{PI}(4, 7, 5, 3, 4, 1) = L_{3149} = \begin{bmatrix} 1035 \\ 0121 \end{bmatrix} \\
2955 &= \mathbf{PI}(3, 1, 6, 3, 4, 1) = L_{934} = \begin{bmatrix} 1041 \\ 0127 \end{bmatrix} \\
2956 &= \mathbf{PI}(7, 2, 6, 3, 4, 1) = L_{1561} = \begin{bmatrix} 1052 \\ 0143 \end{bmatrix} \\
2957 &= \mathbf{PI}(1, 3, 6, 3, 4, 1) = L_{1863} = \begin{bmatrix} 1013 \\ 0164 \end{bmatrix} \\
2958 &= \mathbf{PI}(5, 4, 6, 3, 4, 1) = L_{2900} = \begin{bmatrix} 1074 \\ 0156 \end{bmatrix} \\
2959 &= \mathbf{PI}(4, 5, 6, 3, 4, 1) = L_{3154} = \begin{bmatrix} 1035 \\ 0171 \end{bmatrix} \\
2960 &= \mathbf{PI}(6, 6, 6, 3, 4, 1) = L_{3691} = \begin{bmatrix} 1026 \\ 0115 \end{bmatrix} \\
2961 &= \mathbf{PI}(2, 7, 6, 3, 4, 1) = L_{4545} = \begin{bmatrix} 1067 \\ 0132 \end{bmatrix} \\
2962 &= \mathbf{PI}(0, 0, 7, 3, 4, 1) = L_{432} = \begin{bmatrix} 1500 \\ 0013 \end{bmatrix} \\
2963 &= \mathbf{PI}(1, 0, 7, 3, 4, 1) = L_{1864} = \begin{bmatrix} 1013 \\ 0174 \end{bmatrix} \\
2964 &= \mathbf{PI}(2, 0, 7, 3, 4, 1) = L_{4547} = \begin{bmatrix} 1067 \\ 0152 \end{bmatrix} \\
2965 &= \mathbf{PI}(3, 0, 7, 3, 4, 1) = L_{938} = \begin{bmatrix} 1041 \\ 0167 \end{bmatrix} \\
2966 &= \mathbf{PI}(4, 0, 7, 3, 4, 1) = L_{3151} = \begin{bmatrix} 1035 \\ 0141 \end{bmatrix} \\
2967 &= \mathbf{PI}(5, 0, 7, 3, 4, 1) = L_{2897} = \begin{bmatrix} 1074 \\ 0126 \end{bmatrix} \\
2968 &= \mathbf{PI}(6, 0, 7, 3, 4, 1) = L_{3693} = \begin{bmatrix} 1026 \\ 0135 \end{bmatrix} \\
2969 &= \mathbf{PI}(7, 0, 7, 3, 4, 1) = L_{1558} = \begin{bmatrix} 1052 \\ 0113 \end{bmatrix} \\
2970 &= \mathbf{PI}(0, 1, 7, 3, 4, 1) = L_{3352} = \begin{bmatrix} 1505 \\ 0013 \end{bmatrix} \\
2971 &= \mathbf{PI}(0, 2, 7, 3, 4, 1) = L_{4520} = \begin{bmatrix} 1507 \\ 0013 \end{bmatrix} \\
2972 &= \mathbf{PI}(0, 3, 7, 3, 4, 1) = L_{1600} = \begin{bmatrix} 1502 \\ 0013 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2973 &= \mathbf{PI}(0, 4, 7, 3, 4, 1) = L_{2184} = \begin{bmatrix} 1503 \\ 0013 \end{bmatrix} \\
2974 &= \mathbf{PI}(0, 5, 7, 3, 4, 1) = L_{3936} = \begin{bmatrix} 1506 \\ 0013 \end{bmatrix} \\
2975 &= \mathbf{PI}(0, 6, 7, 3, 4, 1) = L_{2768} = \begin{bmatrix} 1504 \\ 0013 \end{bmatrix} \\
2976 &= \mathbf{PI}(0, 7, 7, 3, 4, 1) = L_{1016} = \begin{bmatrix} 1501 \\ 0013 \end{bmatrix} \\
2977 &= \mathbf{PI}(4, 1, 0, 4, 4, 1) = L_{811} = \begin{bmatrix} 1031 \\ 0101 \end{bmatrix} \\
2978 &= \mathbf{PI}(2, 2, 0, 4, 4, 1) = L_{1622} = \begin{bmatrix} 1062 \\ 0102 \end{bmatrix} \\
2979 &= \mathbf{PI}(7, 3, 0, 4, 4, 1) = L_{2141} = \begin{bmatrix} 1053 \\ 0103 \end{bmatrix} \\
2980 &= \mathbf{PI}(1, 4, 0, 4, 4, 1) = L_{2441} = \begin{bmatrix} 1014 \\ 0104 \end{bmatrix} \\
2981 &= \mathbf{PI}(6, 5, 0, 4, 4, 1) = L_{3106} = \begin{bmatrix} 1025 \\ 0105 \end{bmatrix} \\
2982 &= \mathbf{PI}(5, 6, 0, 4, 4, 1) = L_{4063} = \begin{bmatrix} 1076 \\ 0106 \end{bmatrix} \\
2983 &= \mathbf{PI}(3, 7, 0, 4, 4, 1) = L_{4436} = \begin{bmatrix} 1047 \\ 0107 \end{bmatrix} \\
2984 &= \mathbf{PI}(0, 0, 1, 4, 4, 1) = L_{141} = \begin{bmatrix} 1100 \\ 0014 \end{bmatrix} \\
2985 &= \mathbf{PI}(1, 0, 1, 4, 4, 1) = L_{2442} = \begin{bmatrix} 1014 \\ 0114 \end{bmatrix} \\
2986 &= \mathbf{PI}(2, 0, 1, 4, 4, 1) = L_{1628} = \begin{bmatrix} 1062 \\ 0162 \end{bmatrix} \\
2987 &= \mathbf{PI}(3, 0, 1, 4, 4, 1) = L_{4440} = \begin{bmatrix} 1047 \\ 0147 \end{bmatrix} \\
2988 &= \mathbf{PI}(4, 0, 1, 4, 4, 1) = L_{814} = \begin{bmatrix} 1031 \\ 0131 \end{bmatrix} \\
2989 &= \mathbf{PI}(5, 0, 1, 4, 4, 1) = L_{4070} = \begin{bmatrix} 1076 \\ 0176 \end{bmatrix} \\
2990 &= \mathbf{PI}(6, 0, 1, 4, 4, 1) = L_{3108} = \begin{bmatrix} 1025 \\ 0125 \end{bmatrix} \\
2991 &= \mathbf{PI}(7, 0, 1, 4, 4, 1) = L_{2146} = \begin{bmatrix} 1053 \\ 0153 \end{bmatrix} \\
2992 &= \mathbf{PI}(0, 1, 1, 4, 4, 1) = L_{725} = \begin{bmatrix} 1101 \\ 0014 \end{bmatrix} \\
2993 &= \mathbf{PI}(0, 2, 1, 4, 4, 1) = L_{1309} = \begin{bmatrix} 1102 \\ 0014 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
2994 &= \mathbf{PI}(0, 3, 1, 4, 4, 1) = L_{1893} = \begin{bmatrix} 1103 \\ 0014 \end{bmatrix} \\
2995 &= \mathbf{PI}(0, 4, 1, 4, 4, 1) = L_{2477} = \begin{bmatrix} 1104 \\ 0014 \end{bmatrix} \\
2996 &= \mathbf{PI}(0, 5, 1, 4, 4, 1) = L_{3061} = \begin{bmatrix} 1105 \\ 0014 \end{bmatrix} \\
2997 &= \mathbf{PI}(0, 6, 1, 4, 4, 1) = L_{3645} = \begin{bmatrix} 1106 \\ 0014 \end{bmatrix} \\
2998 &= \mathbf{PI}(0, 7, 1, 4, 4, 1) = L_{4229} = \begin{bmatrix} 1107 \\ 0014 \end{bmatrix} \\
2999 &= \mathbf{PI}(1, 1, 2, 4, 4, 1) = L_{2443} = \begin{bmatrix} 1014 \\ 0124 \end{bmatrix} \\
3000 &= \mathbf{PI}(6, 2, 2, 4, 4, 1) = L_{3110} = \begin{bmatrix} 1025 \\ 0145 \end{bmatrix} \\
3001 &= \mathbf{PI}(4, 3, 2, 4, 4, 1) = L_{817} = \begin{bmatrix} 1031 \\ 0161 \end{bmatrix} \\
3002 &= \mathbf{PI}(3, 4, 2, 4, 4, 1) = L_{4441} = \begin{bmatrix} 1047 \\ 0157 \end{bmatrix} \\
3003 &= \mathbf{PI}(7, 5, 2, 4, 4, 1) = L_{2148} = \begin{bmatrix} 1053 \\ 0173 \end{bmatrix} \\
3004 &= \mathbf{PI}(2, 6, 2, 4, 4, 1) = L_{1623} = \begin{bmatrix} 1062 \\ 0112 \end{bmatrix} \\
3005 &= \mathbf{PI}(5, 7, 2, 4, 4, 1) = L_{4066} = \begin{bmatrix} 1076 \\ 0136 \end{bmatrix} \\
3006 &= \mathbf{PI}(5, 1, 3, 4, 4, 1) = L_{4067} = \begin{bmatrix} 1076 \\ 0146 \end{bmatrix} \\
3007 &= \mathbf{PI}(4, 2, 3, 4, 4, 1) = L_{816} = \begin{bmatrix} 1031 \\ 0151 \end{bmatrix} \\
3008 &= \mathbf{PI}(3, 3, 3, 4, 4, 1) = L_{4437} = \begin{bmatrix} 1047 \\ 0117 \end{bmatrix} \\
3009 &= \mathbf{PI}(2, 4, 3, 4, 4, 1) = L_{1629} = \begin{bmatrix} 1062 \\ 0172 \end{bmatrix} \\
3010 &= \mathbf{PI}(1, 5, 3, 4, 4, 1) = L_{2444} = \begin{bmatrix} 1014 \\ 0134 \end{bmatrix} \\
3011 &= \mathbf{PI}(7, 6, 3, 4, 4, 1) = L_{2143} = \begin{bmatrix} 1053 \\ 0123 \end{bmatrix} \\
3012 &= \mathbf{PI}(6, 7, 3, 4, 4, 1) = L_{3112} = \begin{bmatrix} 1025 \\ 0165 \end{bmatrix} \\
3013 &= \mathbf{PI}(3, 1, 4, 4, 4, 1) = L_{4443} = \begin{bmatrix} 1047 \\ 0177 \end{bmatrix} \\
3014 &= \mathbf{PI}(7, 2, 4, 4, 4, 1) = L_{2144} = \begin{bmatrix} 1053 \\ 0133 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3015 &= \mathbf{PI}(1, 3, 4, 4, 4, 1) = L_{2445} = \begin{bmatrix} 1014 \\ 0144 \end{bmatrix} \\
3016 &= \mathbf{PI}(5, 4, 4, 4, 4, 1) = L_{4069} = \begin{bmatrix} 1076 \\ 0166 \end{bmatrix} \\
3017 &= \mathbf{PI}(4, 5, 4, 4, 4, 1) = L_{812} = \begin{bmatrix} 1031 \\ 0111 \end{bmatrix} \\
3018 &= \mathbf{PI}(6, 6, 4, 4, 4, 1) = L_{3111} = \begin{bmatrix} 1025 \\ 0155 \end{bmatrix} \\
3019 &= \mathbf{PI}(2, 7, 4, 4, 4, 1) = L_{1624} = \begin{bmatrix} 1062 \\ 0122 \end{bmatrix} \\
3020 &= \mathbf{PI}(7, 1, 5, 4, 4, 1) = L_{2147} = \begin{bmatrix} 1053 \\ 0163 \end{bmatrix} \\
3021 &= \mathbf{PI}(5, 2, 5, 4, 4, 1) = L_{4064} = \begin{bmatrix} 1076 \\ 0116 \end{bmatrix} \\
3022 &= \mathbf{PI}(6, 3, 5, 4, 4, 1) = L_{3113} = \begin{bmatrix} 1025 \\ 0175 \end{bmatrix} \\
3023 &= \mathbf{PI}(4, 4, 5, 4, 4, 1) = L_{813} = \begin{bmatrix} 1031 \\ 0121 \end{bmatrix} \\
3024 &= \mathbf{PI}(2, 5, 5, 4, 4, 1) = L_{1626} = \begin{bmatrix} 1062 \\ 0142 \end{bmatrix} \\
3025 &= \mathbf{PI}(3, 6, 5, 4, 4, 1) = L_{4439} = \begin{bmatrix} 1047 \\ 0137 \end{bmatrix} \\
3026 &= \mathbf{PI}(1, 7, 5, 4, 4, 1) = L_{2446} = \begin{bmatrix} 1014 \\ 0154 \end{bmatrix} \\
3027 &= \mathbf{PI}(6, 1, 6, 4, 4, 1) = L_{3107} = \begin{bmatrix} 1025 \\ 0115 \end{bmatrix} \\
3028 &= \mathbf{PI}(3, 2, 6, 4, 4, 1) = L_{4438} = \begin{bmatrix} 1047 \\ 0127 \end{bmatrix} \\
3029 &= \mathbf{PI}(2, 3, 6, 4, 4, 1) = L_{1625} = \begin{bmatrix} 1062 \\ 0132 \end{bmatrix} \\
3030 &= \mathbf{PI}(7, 4, 6, 4, 4, 1) = L_{2145} = \begin{bmatrix} 1053 \\ 0143 \end{bmatrix} \\
3031 &= \mathbf{PI}(5, 5, 6, 4, 4, 1) = L_{4068} = \begin{bmatrix} 1076 \\ 0156 \end{bmatrix} \\
3032 &= \mathbf{PI}(1, 6, 6, 4, 4, 1) = L_{2447} = \begin{bmatrix} 1014 \\ 0164 \end{bmatrix} \\
3033 &= \mathbf{PI}(4, 7, 6, 4, 4, 1) = L_{818} = \begin{bmatrix} 1031 \\ 0171 \end{bmatrix} \\
3034 &= \mathbf{PI}(2, 1, 7, 4, 4, 1) = L_{1627} = \begin{bmatrix} 1062 \\ 0152 \end{bmatrix} \\
3035 &= \mathbf{PI}(1, 2, 7, 4, 4, 1) = L_{2448} = \begin{bmatrix} 1014 \\ 0174 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
3036 &= \mathbf{PI}(5, 3, 7, 4, 4, 1) = L_{4065} = \begin{bmatrix} 1076 \\ 0126 \end{bmatrix} \\
3037 &= \mathbf{PI}(6, 4, 7, 4, 4, 1) = L_{3109} = \begin{bmatrix} 1025 \\ 0135 \end{bmatrix} \\
3038 &= \mathbf{PI}(3, 5, 7, 4, 4, 1) = L_{4442} = \begin{bmatrix} 1047 \\ 0167 \end{bmatrix} \\
3039 &= \mathbf{PI}(4, 6, 7, 4, 4, 1) = L_{815} = \begin{bmatrix} 1031 \\ 0141 \end{bmatrix} \\
3040 &= \mathbf{PI}(7, 7, 7, 4, 4, 1) = L_{2142} = \begin{bmatrix} 1053 \\ 0113 \end{bmatrix} \\
3041 &= \mathbf{PI}(4, 1, 0, 5, 4, 1) = L_{1395} = \begin{bmatrix} 1032 \\ 0101 \end{bmatrix} \\
3042 &= \mathbf{PI}(2, 2, 0, 5, 4, 1) = L_{2790} = \begin{bmatrix} 1064 \\ 0102 \end{bmatrix} \\
3043 &= \mathbf{PI}(7, 3, 0, 5, 4, 1) = L_{3893} = \begin{bmatrix} 1056 \\ 0103 \end{bmatrix} \\
3044 &= \mathbf{PI}(1, 4, 0, 5, 4, 1) = L_{3025} = \begin{bmatrix} 1015 \\ 0104 \end{bmatrix} \\
3045 &= \mathbf{PI}(6, 5, 0, 5, 4, 1) = L_{4274} = \begin{bmatrix} 1027 \\ 0105 \end{bmatrix} \\
3046 &= \mathbf{PI}(5, 6, 0, 5, 4, 1) = L_{1143} = \begin{bmatrix} 1071 \\ 0106 \end{bmatrix} \\
3047 &= \mathbf{PI}(3, 7, 0, 5, 4, 1) = L_{2100} = \begin{bmatrix} 1043 \\ 0107 \end{bmatrix} \\
3048 &= \mathbf{PI}(1, 1, 1, 5, 4, 1) = L_{3026} = \begin{bmatrix} 1015 \\ 0114 \end{bmatrix} \\
3049 &= \mathbf{PI}(6, 2, 1, 5, 4, 1) = L_{4276} = \begin{bmatrix} 1027 \\ 0125 \end{bmatrix} \\
3050 &= \mathbf{PI}(4, 3, 1, 5, 4, 1) = L_{1398} = \begin{bmatrix} 1032 \\ 0131 \end{bmatrix} \\
3051 &= \mathbf{PI}(3, 4, 1, 5, 4, 1) = L_{2104} = \begin{bmatrix} 1043 \\ 0147 \end{bmatrix} \\
3052 &= \mathbf{PI}(7, 5, 1, 5, 4, 1) = L_{3898} = \begin{bmatrix} 1056 \\ 0153 \end{bmatrix} \\
3053 &= \mathbf{PI}(2, 6, 1, 5, 4, 1) = L_{2796} = \begin{bmatrix} 1064 \\ 0162 \end{bmatrix} \\
3054 &= \mathbf{PI}(5, 7, 1, 5, 4, 1) = L_{1150} = \begin{bmatrix} 1071 \\ 0176 \end{bmatrix} \\
3055 &= \mathbf{PI}(3, 1, 2, 5, 4, 1) = L_{2105} = \begin{bmatrix} 1043 \\ 0157 \end{bmatrix} \\
3056 &= \mathbf{PI}(7, 2, 2, 5, 4, 1) = L_{3900} = \begin{bmatrix} 1056 \\ 0173 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3057 &= \mathbf{PI}(1, 3, 2, 5, 4, 1) = L_{3027} = \begin{bmatrix} 1015 \\ 0124 \end{bmatrix} \\
3058 &= \mathbf{PI}(5, 4, 2, 5, 4, 1) = L_{1146} = \begin{bmatrix} 1071 \\ 0136 \end{bmatrix} \\
3059 &= \mathbf{PI}(4, 5, 2, 5, 4, 1) = L_{1401} = \begin{bmatrix} 1032 \\ 0161 \end{bmatrix} \\
3060 &= \mathbf{PI}(6, 6, 2, 5, 4, 1) = L_{4278} = \begin{bmatrix} 1027 \\ 0145 \end{bmatrix} \\
3061 &= \mathbf{PI}(2, 7, 2, 5, 4, 1) = L_{2791} = \begin{bmatrix} 1064 \\ 0112 \end{bmatrix} \\
3062 &= \mathbf{PI}(6, 1, 3, 5, 4, 1) = L_{4280} = \begin{bmatrix} 1027 \\ 0165 \end{bmatrix} \\
3063 &= \mathbf{PI}(3, 2, 3, 5, 4, 1) = L_{2101} = \begin{bmatrix} 1043 \\ 0117 \end{bmatrix} \\
3064 &= \mathbf{PI}(2, 3, 3, 5, 4, 1) = L_{2797} = \begin{bmatrix} 1064 \\ 0172 \end{bmatrix} \\
3065 &= \mathbf{PI}(7, 4, 3, 5, 4, 1) = L_{3895} = \begin{bmatrix} 1056 \\ 0123 \end{bmatrix} \\
3066 &= \mathbf{PI}(5, 5, 3, 5, 4, 1) = L_{1147} = \begin{bmatrix} 1071 \\ 0146 \end{bmatrix} \\
3067 &= \mathbf{PI}(1, 6, 3, 5, 4, 1) = L_{3028} = \begin{bmatrix} 1015 \\ 0134 \end{bmatrix} \\
3068 &= \mathbf{PI}(4, 7, 3, 5, 4, 1) = L_{1400} = \begin{bmatrix} 1032 \\ 0151 \end{bmatrix} \\
3069 &= \mathbf{PI}(7, 1, 4, 5, 4, 1) = L_{3896} = \begin{bmatrix} 1056 \\ 0133 \end{bmatrix} \\
3070 &= \mathbf{PI}(5, 2, 4, 5, 4, 1) = L_{1149} = \begin{bmatrix} 1071 \\ 0166 \end{bmatrix} \\
3071 &= \mathbf{PI}(6, 3, 4, 5, 4, 1) = L_{4279} = \begin{bmatrix} 1027 \\ 0155 \end{bmatrix} \\
3072 &= \mathbf{PI}(4, 4, 4, 5, 4, 1) = L_{1396} = \begin{bmatrix} 1032 \\ 0111 \end{bmatrix} \\
3073 &= \mathbf{PI}(2, 5, 4, 5, 4, 1) = L_{2792} = \begin{bmatrix} 1064 \\ 0122 \end{bmatrix} \\
3074 &= \mathbf{PI}(3, 6, 4, 5, 4, 1) = L_{2107} = \begin{bmatrix} 1043 \\ 0177 \end{bmatrix} \\
3075 &= \mathbf{PI}(1, 7, 4, 5, 4, 1) = L_{3029} = \begin{bmatrix} 1015 \\ 0144 \end{bmatrix} \\
3076 &= \mathbf{PI}(2, 1, 5, 5, 4, 1) = L_{2794} = \begin{bmatrix} 1064 \\ 0142 \end{bmatrix} \\
3077 &= \mathbf{PI}(1, 2, 5, 5, 4, 1) = L_{3030} = \begin{bmatrix} 1015 \\ 0154 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3078 &= \mathbf{PI}(5, 3, 5, 5, 4, 1) = L_{1144} = \begin{bmatrix} 1071 \\ 0116 \end{bmatrix} \\
3079 &= \mathbf{PI}(6, 4, 5, 5, 4, 1) = L_{4281} = \begin{bmatrix} 1027 \\ 0175 \end{bmatrix} \\
3080 &= \mathbf{PI}(3, 5, 5, 5, 4, 1) = L_{2103} = \begin{bmatrix} 1043 \\ 0137 \end{bmatrix} \\
3081 &= \mathbf{PI}(4, 6, 5, 5, 4, 1) = L_{1397} = \begin{bmatrix} 1032 \\ 0121 \end{bmatrix} \\
3082 &= \mathbf{PI}(7, 7, 5, 5, 4, 1) = L_{3899} = \begin{bmatrix} 1056 \\ 0163 \end{bmatrix} \\
3083 &= \mathbf{PI}(0, 0, 6, 5, 4, 1) = L_{215} = \begin{bmatrix} 1200 \\ 0015 \end{bmatrix} \\
3084 &= \mathbf{PI}(1, 0, 6, 5, 4, 1) = L_{3031} = \begin{bmatrix} 1015 \\ 0164 \end{bmatrix} \\
3085 &= \mathbf{PI}(2, 0, 6, 5, 4, 1) = L_{2793} = \begin{bmatrix} 1064 \\ 0132 \end{bmatrix} \\
3086 &= \mathbf{PI}(3, 0, 6, 5, 4, 1) = L_{2102} = \begin{bmatrix} 1043 \\ 0127 \end{bmatrix} \\
3087 &= \mathbf{PI}(4, 0, 6, 5, 4, 1) = L_{1402} = \begin{bmatrix} 1032 \\ 0171 \end{bmatrix} \\
3088 &= \mathbf{PI}(5, 0, 6, 5, 4, 1) = L_{1148} = \begin{bmatrix} 1071 \\ 0156 \end{bmatrix} \\
3089 &= \mathbf{PI}(6, 0, 6, 5, 4, 1) = L_{4275} = \begin{bmatrix} 1027 \\ 0115 \end{bmatrix} \\
3090 &= \mathbf{PI}(7, 0, 6, 5, 4, 1) = L_{3897} = \begin{bmatrix} 1056 \\ 0143 \end{bmatrix} \\
3091 &= \mathbf{PI}(0, 1, 6, 5, 4, 1) = L_{1383} = \begin{bmatrix} 1202 \\ 0015 \end{bmatrix} \\
3092 &= \mathbf{PI}(0, 2, 6, 5, 4, 1) = L_{2551} = \begin{bmatrix} 1204 \\ 0015 \end{bmatrix} \\
3093 &= \mathbf{PI}(0, 3, 6, 5, 4, 1) = L_{3719} = \begin{bmatrix} 1206 \\ 0015 \end{bmatrix} \\
3094 &= \mathbf{PI}(0, 4, 6, 5, 4, 1) = L_{3135} = \begin{bmatrix} 1205 \\ 0015 \end{bmatrix} \\
3095 &= \mathbf{PI}(0, 5, 6, 5, 4, 1) = L_{4303} = \begin{bmatrix} 1207 \\ 0015 \end{bmatrix} \\
3096 &= \mathbf{PI}(0, 6, 6, 5, 4, 1) = L_{799} = \begin{bmatrix} 1201 \\ 0015 \end{bmatrix} \\
3097 &= \mathbf{PI}(0, 7, 6, 5, 4, 1) = L_{1967} = \begin{bmatrix} 1203 \\ 0015 \end{bmatrix} \\
3098 &= \mathbf{PI}(5, 1, 7, 5, 4, 1) = L_{1145} = \begin{bmatrix} 1071 \\ 0126 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3099 &= \mathbf{PI}(4, 2, 7, 5, 4, 1) = L_{1399} = \begin{bmatrix} 1032 \\ 0141 \end{bmatrix} \\
3100 &= \mathbf{PI}(3, 3, 7, 5, 4, 1) = L_{2106} = \begin{bmatrix} 1043 \\ 0167 \end{bmatrix} \\
3101 &= \mathbf{PI}(2, 4, 7, 5, 4, 1) = L_{2795} = \begin{bmatrix} 1064 \\ 0152 \end{bmatrix} \\
3102 &= \mathbf{PI}(1, 5, 7, 5, 4, 1) = L_{3032} = \begin{bmatrix} 1015 \\ 0174 \end{bmatrix} \\
3103 &= \mathbf{PI}(7, 6, 7, 5, 4, 1) = L_{3894} = \begin{bmatrix} 1056 \\ 0113 \end{bmatrix} \\
3104 &= \mathbf{PI}(6, 7, 7, 5, 4, 1) = L_{4277} = \begin{bmatrix} 1027 \\ 0135 \end{bmatrix} \\
3105 &= \mathbf{PI}(4, 1, 0, 6, 4, 1) = L_{4315} = \begin{bmatrix} 1037 \\ 0101 \end{bmatrix} \\
3106 &= \mathbf{PI}(2, 2, 0, 6, 4, 1) = L_{2206} = \begin{bmatrix} 1063 \\ 0102 \end{bmatrix} \\
3107 &= \mathbf{PI}(7, 3, 0, 6, 4, 1) = L_{2725} = \begin{bmatrix} 1054 \\ 0103 \end{bmatrix} \\
3108 &= \mathbf{PI}(1, 4, 0, 6, 4, 1) = L_{3609} = \begin{bmatrix} 1016 \\ 0104 \end{bmatrix} \\
3109 &= \mathbf{PI}(6, 5, 0, 6, 4, 1) = L_{770} = \begin{bmatrix} 1021 \\ 0105 \end{bmatrix} \\
3110 &= \mathbf{PI}(5, 6, 0, 6, 4, 1) = L_{3479} = \begin{bmatrix} 1075 \\ 0106 \end{bmatrix} \\
3111 &= \mathbf{PI}(3, 7, 0, 6, 4, 1) = L_{1516} = \begin{bmatrix} 1042 \\ 0107 \end{bmatrix} \\
3112 &= \mathbf{PI}(2, 1, 1, 6, 4, 1) = L_{2212} = \begin{bmatrix} 1063 \\ 0162 \end{bmatrix} \\
3113 &= \mathbf{PI}(1, 2, 1, 6, 4, 1) = L_{3610} = \begin{bmatrix} 1016 \\ 0114 \end{bmatrix} \\
3114 &= \mathbf{PI}(5, 3, 1, 6, 4, 1) = L_{3486} = \begin{bmatrix} 1075 \\ 0176 \end{bmatrix} \\
3115 &= \mathbf{PI}(6, 4, 1, 6, 4, 1) = L_{772} = \begin{bmatrix} 1021 \\ 0125 \end{bmatrix} \\
3116 &= \mathbf{PI}(3, 5, 1, 6, 4, 1) = L_{1520} = \begin{bmatrix} 1042 \\ 0147 \end{bmatrix} \\
3117 &= \mathbf{PI}(4, 6, 1, 6, 4, 1) = L_{4318} = \begin{bmatrix} 1037 \\ 0131 \end{bmatrix} \\
3118 &= \mathbf{PI}(7, 7, 1, 6, 4, 1) = L_{2730} = \begin{bmatrix} 1054 \\ 0153 \end{bmatrix} \\
3119 &= \mathbf{PI}(5, 1, 2, 6, 4, 1) = L_{3482} = \begin{bmatrix} 1075 \\ 0136 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3120 &= \mathbf{PI}(4, 2, 2, 6, 4, 1) = L_{4321} = \begin{bmatrix} 1037 \\ 0161 \end{bmatrix} \\
3121 &= \mathbf{PI}(3, 3, 2, 6, 4, 1) = L_{1521} = \begin{bmatrix} 1042 \\ 0157 \end{bmatrix} \\
3122 &= \mathbf{PI}(2, 4, 2, 6, 4, 1) = L_{2207} = \begin{bmatrix} 1063 \\ 0112 \end{bmatrix} \\
3123 &= \mathbf{PI}(1, 5, 2, 6, 4, 1) = L_{3611} = \begin{bmatrix} 1016 \\ 0124 \end{bmatrix} \\
3124 &= \mathbf{PI}(7, 6, 2, 6, 4, 1) = L_{2732} = \begin{bmatrix} 1054 \\ 0173 \end{bmatrix} \\
3125 &= \mathbf{PI}(6, 7, 2, 6, 4, 1) = L_{774} = \begin{bmatrix} 1021 \\ 0145 \end{bmatrix} \\
3126 &= \mathbf{PI}(3, 1, 3, 6, 4, 1) = L_{1517} = \begin{bmatrix} 1042 \\ 0117 \end{bmatrix} \\
3127 &= \mathbf{PI}(7, 2, 3, 6, 4, 1) = L_{2727} = \begin{bmatrix} 1054 \\ 0123 \end{bmatrix} \\
3128 &= \mathbf{PI}(1, 3, 3, 6, 4, 1) = L_{3612} = \begin{bmatrix} 1016 \\ 0134 \end{bmatrix} \\
3129 &= \mathbf{PI}(5, 4, 3, 6, 4, 1) = L_{3483} = \begin{bmatrix} 1075 \\ 0146 \end{bmatrix} \\
3130 &= \mathbf{PI}(4, 5, 3, 6, 4, 1) = L_{4320} = \begin{bmatrix} 1037 \\ 0151 \end{bmatrix} \\
3131 &= \mathbf{PI}(6, 6, 3, 6, 4, 1) = L_{776} = \begin{bmatrix} 1021 \\ 0165 \end{bmatrix} \\
3132 &= \mathbf{PI}(2, 7, 3, 6, 4, 1) = L_{2213} = \begin{bmatrix} 1063 \\ 0172 \end{bmatrix} \\
3133 &= \mathbf{PI}(6, 1, 4, 6, 4, 1) = L_{775} = \begin{bmatrix} 1021 \\ 0155 \end{bmatrix} \\
3134 &= \mathbf{PI}(3, 2, 4, 6, 4, 1) = L_{1523} = \begin{bmatrix} 1042 \\ 0177 \end{bmatrix} \\
3135 &= \mathbf{PI}(2, 3, 4, 6, 4, 1) = L_{2208} = \begin{bmatrix} 1063 \\ 0122 \end{bmatrix} \\
3136 &= \mathbf{PI}(7, 4, 4, 6, 4, 1) = L_{2728} = \begin{bmatrix} 1054 \\ 0133 \end{bmatrix} \\
3137 &= \mathbf{PI}(5, 5, 4, 6, 4, 1) = L_{3485} = \begin{bmatrix} 1075 \\ 0166 \end{bmatrix} \\
3138 &= \mathbf{PI}(1, 6, 4, 6, 4, 1) = L_{3613} = \begin{bmatrix} 1016 \\ 0144 \end{bmatrix} \\
3139 &= \mathbf{PI}(4, 7, 4, 6, 4, 1) = L_{4316} = \begin{bmatrix} 1037 \\ 0111 \end{bmatrix} \\
3140 &= \mathbf{PI}(0, 0, 5, 6, 4, 1) = L_{581} = \begin{bmatrix} 1700 \\ 0016 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3141 &= \mathbf{PI}(1, 0, 5, 6, 4, 1) = L_{3614} = \begin{bmatrix} 1016 \\ 0154 \end{bmatrix} \\
3142 &= \mathbf{PI}(2, 0, 5, 6, 4, 1) = L_{2210} = \begin{bmatrix} 1063 \\ 0142 \end{bmatrix} \\
3143 &= \mathbf{PI}(3, 0, 5, 6, 4, 1) = L_{1519} = \begin{bmatrix} 1042 \\ 0137 \end{bmatrix} \\
3144 &= \mathbf{PI}(4, 0, 5, 6, 4, 1) = L_{4317} = \begin{bmatrix} 1037 \\ 0121 \end{bmatrix} \\
3145 &= \mathbf{PI}(5, 0, 5, 6, 4, 1) = L_{3480} = \begin{bmatrix} 1075 \\ 0116 \end{bmatrix} \\
3146 &= \mathbf{PI}(6, 0, 5, 6, 4, 1) = L_{777} = \begin{bmatrix} 1021 \\ 0175 \end{bmatrix} \\
3147 &= \mathbf{PI}(7, 0, 5, 6, 4, 1) = L_{2731} = \begin{bmatrix} 1054 \\ 0163 \end{bmatrix} \\
3148 &= \mathbf{PI}(0, 1, 5, 6, 4, 1) = L_{4669} = \begin{bmatrix} 1707 \\ 0016 \end{bmatrix} \\
3149 &= \mathbf{PI}(0, 2, 5, 6, 4, 1) = L_{2333} = \begin{bmatrix} 1703 \\ 0016 \end{bmatrix} \\
3150 &= \mathbf{PI}(0, 3, 5, 6, 4, 1) = L_{2917} = \begin{bmatrix} 1704 \\ 0016 \end{bmatrix} \\
3151 &= \mathbf{PI}(0, 4, 5, 6, 4, 1) = L_{4085} = \begin{bmatrix} 1706 \\ 0016 \end{bmatrix} \\
3152 &= \mathbf{PI}(0, 5, 5, 6, 4, 1) = L_{1165} = \begin{bmatrix} 1701 \\ 0016 \end{bmatrix} \\
3153 &= \mathbf{PI}(0, 6, 5, 6, 4, 1) = L_{3501} = \begin{bmatrix} 1705 \\ 0016 \end{bmatrix} \\
3154 &= \mathbf{PI}(0, 7, 5, 6, 4, 1) = L_{1749} = \begin{bmatrix} 1702 \\ 0016 \end{bmatrix} \\
3155 &= \mathbf{PI}(7, 1, 6, 6, 4, 1) = L_{2729} = \begin{bmatrix} 1054 \\ 0143 \end{bmatrix} \\
3156 &= \mathbf{PI}(5, 2, 6, 6, 4, 1) = L_{3484} = \begin{bmatrix} 1075 \\ 0156 \end{bmatrix} \\
3157 &= \mathbf{PI}(6, 3, 6, 6, 4, 1) = L_{771} = \begin{bmatrix} 1021 \\ 0115 \end{bmatrix} \\
3158 &= \mathbf{PI}(4, 4, 6, 6, 4, 1) = L_{4322} = \begin{bmatrix} 1037 \\ 0171 \end{bmatrix} \\
3159 &= \mathbf{PI}(2, 5, 6, 6, 4, 1) = L_{2209} = \begin{bmatrix} 1063 \\ 0132 \end{bmatrix} \\
3160 &= \mathbf{PI}(3, 6, 6, 6, 4, 1) = L_{1518} = \begin{bmatrix} 1042 \\ 0127 \end{bmatrix} \\
3161 &= \mathbf{PI}(1, 7, 6, 6, 4, 1) = L_{3615} = \begin{bmatrix} 1016 \\ 0164 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3162 &= \mathbf{PI}(1, 1, 7, 6, 4, 1) = L_{3616} = \begin{bmatrix} 1016 \\ 0174 \end{bmatrix} \\
3163 &= \mathbf{PI}(6, 2, 7, 6, 4, 1) = L_{773} = \begin{bmatrix} 1021 \\ 0135 \end{bmatrix} \\
3164 &= \mathbf{PI}(4, 3, 7, 6, 4, 1) = L_{4319} = \begin{bmatrix} 1037 \\ 0141 \end{bmatrix} \\
3165 &= \mathbf{PI}(3, 4, 7, 6, 4, 1) = L_{1522} = \begin{bmatrix} 1042 \\ 0167 \end{bmatrix} \\
3166 &= \mathbf{PI}(7, 5, 7, 6, 4, 1) = L_{2726} = \begin{bmatrix} 1054 \\ 0113 \end{bmatrix} \\
3167 &= \mathbf{PI}(2, 6, 7, 6, 4, 1) = L_{2211} = \begin{bmatrix} 1063 \\ 0152 \end{bmatrix} \\
3168 &= \mathbf{PI}(5, 7, 7, 6, 4, 1) = L_{3481} = \begin{bmatrix} 1075 \\ 0126 \end{bmatrix} \\
3169 &= \mathbf{PI}(4, 1, 0, 7, 4, 1) = L_{2563} = \begin{bmatrix} 1034 \\ 0101 \end{bmatrix} \\
3170 &= \mathbf{PI}(2, 2, 0, 7, 4, 1) = L_{3374} = \begin{bmatrix} 1065 \\ 0102 \end{bmatrix} \\
3171 &= \mathbf{PI}(7, 3, 0, 7, 4, 1) = L_{973} = \begin{bmatrix} 1051 \\ 0103 \end{bmatrix} \\
3172 &= \mathbf{PI}(1, 4, 0, 7, 4, 1) = L_{4193} = \begin{bmatrix} 1017 \\ 0104 \end{bmatrix} \\
3173 &= \mathbf{PI}(6, 5, 0, 7, 4, 1) = L_{1938} = \begin{bmatrix} 1023 \\ 0105 \end{bmatrix} \\
3174 &= \mathbf{PI}(5, 6, 0, 7, 4, 1) = L_{1727} = \begin{bmatrix} 1072 \\ 0106 \end{bmatrix} \\
3175 &= \mathbf{PI}(3, 7, 0, 7, 4, 1) = L_{3852} = \begin{bmatrix} 1046 \\ 0107 \end{bmatrix} \\
3176 &= \mathbf{PI}(3, 1, 1, 7, 4, 1) = L_{3856} = \begin{bmatrix} 1046 \\ 0147 \end{bmatrix} \\
3177 &= \mathbf{PI}(7, 2, 1, 7, 4, 1) = L_{978} = \begin{bmatrix} 1051 \\ 0153 \end{bmatrix} \\
3178 &= \mathbf{PI}(1, 3, 1, 7, 4, 1) = L_{4194} = \begin{bmatrix} 1017 \\ 0114 \end{bmatrix} \\
3179 &= \mathbf{PI}(5, 4, 1, 7, 4, 1) = L_{1734} = \begin{bmatrix} 1072 \\ 0176 \end{bmatrix} \\
3180 &= \mathbf{PI}(4, 5, 1, 7, 4, 1) = L_{2566} = \begin{bmatrix} 1034 \\ 0131 \end{bmatrix} \\
3181 &= \mathbf{PI}(6, 6, 1, 7, 4, 1) = L_{1940} = \begin{bmatrix} 1023 \\ 0125 \end{bmatrix} \\
3182 &= \mathbf{PI}(2, 7, 1, 7, 4, 1) = L_{3380} = \begin{bmatrix} 1065 \\ 0162 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3183 &= \mathbf{PI}(7, 1, 2, 7, 4, 1) = L_{980} = \begin{bmatrix} 1051 \\ 0173 \end{bmatrix} \\
3184 &= \mathbf{PI}(5, 2, 2, 7, 4, 1) = L_{1730} = \begin{bmatrix} 1072 \\ 0136 \end{bmatrix} \\
3185 &= \mathbf{PI}(6, 3, 2, 7, 4, 1) = L_{1942} = \begin{bmatrix} 1023 \\ 0145 \end{bmatrix} \\
3186 &= \mathbf{PI}(4, 4, 2, 7, 4, 1) = L_{2569} = \begin{bmatrix} 1034 \\ 0161 \end{bmatrix} \\
3187 &= \mathbf{PI}(2, 5, 2, 7, 4, 1) = L_{3375} = \begin{bmatrix} 1065 \\ 0112 \end{bmatrix} \\
3188 &= \mathbf{PI}(3, 6, 2, 7, 4, 1) = L_{3857} = \begin{bmatrix} 1046 \\ 0157 \end{bmatrix} \\
3189 &= \mathbf{PI}(1, 7, 2, 7, 4, 1) = L_{4195} = \begin{bmatrix} 1017 \\ 0124 \end{bmatrix} \\
3190 &= \mathbf{PI}(0, 0, 3, 7, 4, 1) = L_{363} = \begin{bmatrix} 1400 \\ 0017 \end{bmatrix} \\
3191 &= \mathbf{PI}(1, 0, 3, 7, 4, 1) = L_{4196} = \begin{bmatrix} 1017 \\ 0134 \end{bmatrix} \\
3192 &= \mathbf{PI}(2, 0, 3, 7, 4, 1) = L_{3381} = \begin{bmatrix} 1065 \\ 0172 \end{bmatrix} \\
3193 &= \mathbf{PI}(3, 0, 3, 7, 4, 1) = L_{3853} = \begin{bmatrix} 1046 \\ 0117 \end{bmatrix} \\
3194 &= \mathbf{PI}(4, 0, 3, 7, 4, 1) = L_{2568} = \begin{bmatrix} 1034 \\ 0151 \end{bmatrix} \\
3195 &= \mathbf{PI}(5, 0, 3, 7, 4, 1) = L_{1731} = \begin{bmatrix} 1072 \\ 0146 \end{bmatrix} \\
3196 &= \mathbf{PI}(6, 0, 3, 7, 4, 1) = L_{1944} = \begin{bmatrix} 1023 \\ 0165 \end{bmatrix} \\
3197 &= \mathbf{PI}(7, 0, 3, 7, 4, 1) = L_{975} = \begin{bmatrix} 1051 \\ 0123 \end{bmatrix} \\
3198 &= \mathbf{PI}(0, 1, 3, 7, 4, 1) = L_{2699} = \begin{bmatrix} 1404 \\ 0017 \end{bmatrix} \\
3199 &= \mathbf{PI}(0, 2, 3, 7, 4, 1) = L_{3283} = \begin{bmatrix} 1405 \\ 0017 \end{bmatrix} \\
3200 &= \mathbf{PI}(0, 3, 3, 7, 4, 1) = L_{947} = \begin{bmatrix} 1401 \\ 0017 \end{bmatrix} \\
3201 &= \mathbf{PI}(0, 4, 3, 7, 4, 1) = L_{4451} = \begin{bmatrix} 1407 \\ 0017 \end{bmatrix} \\
3202 &= \mathbf{PI}(0, 5, 3, 7, 4, 1) = L_{2115} = \begin{bmatrix} 1403 \\ 0017 \end{bmatrix} \\
3203 &= \mathbf{PI}(0, 6, 3, 7, 4, 1) = L_{1531} = \begin{bmatrix} 1402 \\ 0017 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
3204 &= \mathbf{PI}(0, 7, 3, 7, 4, 1) = L_{3867} = \begin{bmatrix} 1406 \\ 0017 \end{bmatrix} \\
3205 &= \mathbf{PI}(2, 1, 4, 7, 4, 1) = L_{3376} = \begin{bmatrix} 1065 \\ 0122 \end{bmatrix} \\
3206 &= \mathbf{PI}(1, 2, 4, 7, 4, 1) = L_{4197} = \begin{bmatrix} 1017 \\ 0144 \end{bmatrix} \\
3207 &= \mathbf{PI}(5, 3, 4, 7, 4, 1) = L_{1733} = \begin{bmatrix} 1072 \\ 0166 \end{bmatrix} \\
3208 &= \mathbf{PI}(6, 4, 4, 7, 4, 1) = L_{1943} = \begin{bmatrix} 1023 \\ 0155 \end{bmatrix} \\
3209 &= \mathbf{PI}(3, 5, 4, 7, 4, 1) = L_{3859} = \begin{bmatrix} 1046 \\ 0177 \end{bmatrix} \\
3210 &= \mathbf{PI}(4, 6, 4, 7, 4, 1) = L_{2564} = \begin{bmatrix} 1034 \\ 0111 \end{bmatrix} \\
3211 &= \mathbf{PI}(7, 7, 4, 7, 4, 1) = L_{976} = \begin{bmatrix} 1051 \\ 0133 \end{bmatrix} \\
3212 &= \mathbf{PI}(5, 1, 5, 7, 4, 1) = L_{1728} = \begin{bmatrix} 1072 \\ 0116 \end{bmatrix} \\
3213 &= \mathbf{PI}(4, 2, 5, 7, 4, 1) = L_{2565} = \begin{bmatrix} 1034 \\ 0121 \end{bmatrix} \\
3214 &= \mathbf{PI}(3, 3, 5, 7, 4, 1) = L_{3855} = \begin{bmatrix} 1046 \\ 0137 \end{bmatrix} \\
3215 &= \mathbf{PI}(2, 4, 5, 7, 4, 1) = L_{3378} = \begin{bmatrix} 1065 \\ 0142 \end{bmatrix} \\
3216 &= \mathbf{PI}(1, 5, 5, 7, 4, 1) = L_{4198} = \begin{bmatrix} 1017 \\ 0154 \end{bmatrix} \\
3217 &= \mathbf{PI}(7, 6, 5, 7, 4, 1) = L_{979} = \begin{bmatrix} 1051 \\ 0163 \end{bmatrix} \\
3218 &= \mathbf{PI}(6, 7, 5, 7, 4, 1) = L_{1945} = \begin{bmatrix} 1023 \\ 0175 \end{bmatrix} \\
3219 &= \mathbf{PI}(1, 1, 6, 7, 4, 1) = L_{4199} = \begin{bmatrix} 1017 \\ 0164 \end{bmatrix} \\
3220 &= \mathbf{PI}(6, 2, 6, 7, 4, 1) = L_{1939} = \begin{bmatrix} 1023 \\ 0115 \end{bmatrix} \\
3221 &= \mathbf{PI}(4, 3, 6, 7, 4, 1) = L_{2570} = \begin{bmatrix} 1034 \\ 0171 \end{bmatrix} \\
3222 &= \mathbf{PI}(3, 4, 6, 7, 4, 1) = L_{3854} = \begin{bmatrix} 1046 \\ 0127 \end{bmatrix} \\
3223 &= \mathbf{PI}(7, 5, 6, 7, 4, 1) = L_{977} = \begin{bmatrix} 1051 \\ 0143 \end{bmatrix} \\
3224 &= \mathbf{PI}(2, 6, 6, 7, 4, 1) = L_{3377} = \begin{bmatrix} 1065 \\ 0132 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3225 &= \mathbf{PI}(5, 7, 6, 7, 4, 1) = L_{1732} = \begin{bmatrix} 1072 \\ 0156 \end{bmatrix} \\
3226 &= \mathbf{PI}(6, 1, 7, 7, 4, 1) = L_{1941} = \begin{bmatrix} 1023 \\ 0135 \end{bmatrix} \\
3227 &= \mathbf{PI}(3, 2, 7, 7, 4, 1) = L_{3858} = \begin{bmatrix} 1046 \\ 0167 \end{bmatrix} \\
3228 &= \mathbf{PI}(2, 3, 7, 7, 4, 1) = L_{3379} = \begin{bmatrix} 1065 \\ 0152 \end{bmatrix} \\
3229 &= \mathbf{PI}(7, 4, 7, 7, 4, 1) = L_{974} = \begin{bmatrix} 1051 \\ 0113 \end{bmatrix} \\
3230 &= \mathbf{PI}(5, 5, 7, 7, 4, 1) = L_{1729} = \begin{bmatrix} 1072 \\ 0126 \end{bmatrix} \\
3231 &= \mathbf{PI}(1, 6, 7, 7, 4, 1) = L_{4200} = \begin{bmatrix} 1017 \\ 0174 \end{bmatrix} \\
3232 &= \mathbf{PI}(4, 7, 7, 7, 4, 1) = L_{2567} = \begin{bmatrix} 1034 \\ 0141 \end{bmatrix} \\
3233 &= \mathbf{PI}(5, 1, 0, 0, 5, 1) = L_{519} = \begin{bmatrix} 1070 \\ 0101 \end{bmatrix} \\
3234 &= \mathbf{PI}(4, 2, 0, 0, 5, 1) = L_{235} = \begin{bmatrix} 1030 \\ 0102 \end{bmatrix} \\
3235 &= \mathbf{PI}(3, 3, 0, 0, 5, 1) = L_{316} = \begin{bmatrix} 1040 \\ 0103 \end{bmatrix} \\
3236 &= \mathbf{PI}(2, 4, 0, 0, 5, 1) = L_{470} = \begin{bmatrix} 1060 \\ 0104 \end{bmatrix} \\
3237 &= \mathbf{PI}(1, 5, 0, 0, 5, 1) = L_{113} = \begin{bmatrix} 1010 \\ 0105 \end{bmatrix} \\
3238 &= \mathbf{PI}(7, 6, 0, 0, 5, 1) = L_{413} = \begin{bmatrix} 1050 \\ 0106 \end{bmatrix} \\
3239 &= \mathbf{PI}(6, 7, 0, 0, 5, 1) = L_{202} = \begin{bmatrix} 1020 \\ 0107 \end{bmatrix} \\
3240 &= \mathbf{PI}(5, 1, 1, 0, 5, 1) = L_{526} = \begin{bmatrix} 1070 \\ 0171 \end{bmatrix} \\
3241 &= \mathbf{PI}(4, 2, 1, 0, 5, 1) = L_{238} = \begin{bmatrix} 1030 \\ 0132 \end{bmatrix} \\
3242 &= \mathbf{PI}(3, 3, 1, 0, 5, 1) = L_{320} = \begin{bmatrix} 1040 \\ 0143 \end{bmatrix} \\
3243 &= \mathbf{PI}(2, 4, 1, 0, 5, 1) = L_{476} = \begin{bmatrix} 1060 \\ 0164 \end{bmatrix} \\
3244 &= \mathbf{PI}(1, 5, 1, 0, 5, 1) = L_{114} = \begin{bmatrix} 1010 \\ 0115 \end{bmatrix} \\
3245 &= \mathbf{PI}(7, 6, 1, 0, 5, 1) = L_{418} = \begin{bmatrix} 1050 \\ 0156 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3246 &= \mathbf{PI}(6, 7, 1, 0, 5, 1) = L_{204} = \begin{bmatrix} 1020 \\ 0127 \end{bmatrix} \\
3247 &= \mathbf{PI}(5, 1, 2, 0, 5, 1) = L_{522} = \begin{bmatrix} 1070 \\ 0131 \end{bmatrix} \\
3248 &= \mathbf{PI}(4, 2, 2, 0, 5, 1) = L_{241} = \begin{bmatrix} 1030 \\ 0162 \end{bmatrix} \\
3249 &= \mathbf{PI}(3, 3, 2, 0, 5, 1) = L_{321} = \begin{bmatrix} 1040 \\ 0153 \end{bmatrix} \\
3250 &= \mathbf{PI}(2, 4, 2, 0, 5, 1) = L_{471} = \begin{bmatrix} 1060 \\ 0114 \end{bmatrix} \\
3251 &= \mathbf{PI}(1, 5, 2, 0, 5, 1) = L_{115} = \begin{bmatrix} 1010 \\ 0125 \end{bmatrix} \\
3252 &= \mathbf{PI}(7, 6, 2, 0, 5, 1) = L_{420} = \begin{bmatrix} 1050 \\ 0176 \end{bmatrix} \\
3253 &= \mathbf{PI}(6, 7, 2, 0, 5, 1) = L_{206} = \begin{bmatrix} 1020 \\ 0147 \end{bmatrix} \\
3254 &= \mathbf{PI}(5, 1, 3, 0, 5, 1) = L_{523} = \begin{bmatrix} 1070 \\ 0141 \end{bmatrix} \\
3255 &= \mathbf{PI}(4, 2, 3, 0, 5, 1) = L_{240} = \begin{bmatrix} 1030 \\ 0152 \end{bmatrix} \\
3256 &= \mathbf{PI}(3, 3, 3, 0, 5, 1) = L_{317} = \begin{bmatrix} 1040 \\ 0113 \end{bmatrix} \\
3257 &= \mathbf{PI}(2, 4, 3, 0, 5, 1) = L_{477} = \begin{bmatrix} 1060 \\ 0174 \end{bmatrix} \\
3258 &= \mathbf{PI}(1, 5, 3, 0, 5, 1) = L_{116} = \begin{bmatrix} 1010 \\ 0135 \end{bmatrix} \\
3259 &= \mathbf{PI}(7, 6, 3, 0, 5, 1) = L_{415} = \begin{bmatrix} 1050 \\ 0126 \end{bmatrix} \\
3260 &= \mathbf{PI}(6, 7, 3, 0, 5, 1) = L_{208} = \begin{bmatrix} 1020 \\ 0167 \end{bmatrix} \\
3261 &= \mathbf{PI}(5, 1, 4, 0, 5, 1) = L_{525} = \begin{bmatrix} 1070 \\ 0161 \end{bmatrix} \\
3262 &= \mathbf{PI}(4, 2, 4, 0, 5, 1) = L_{236} = \begin{bmatrix} 1030 \\ 0112 \end{bmatrix} \\
3263 &= \mathbf{PI}(3, 3, 4, 0, 5, 1) = L_{323} = \begin{bmatrix} 1040 \\ 0173 \end{bmatrix} \\
3264 &= \mathbf{PI}(2, 4, 4, 0, 5, 1) = L_{472} = \begin{bmatrix} 1060 \\ 0124 \end{bmatrix} \\
3265 &= \mathbf{PI}(1, 5, 4, 0, 5, 1) = L_{117} = \begin{bmatrix} 1010 \\ 0145 \end{bmatrix} \\
3266 &= \mathbf{PI}(7, 6, 4, 0, 5, 1) = L_{416} = \begin{bmatrix} 1050 \\ 0136 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3267 &= \mathbf{PI}(6, 7, 4, 0, 5, 1) = L_{207} = \begin{bmatrix} 1020 \\ 0157 \end{bmatrix} \\
3268 &= \mathbf{PI}(5, 1, 5, 0, 5, 1) = L_{520} = \begin{bmatrix} 1070 \\ 0111 \end{bmatrix} \\
3269 &= \mathbf{PI}(4, 2, 5, 0, 5, 1) = L_{237} = \begin{bmatrix} 1030 \\ 0122 \end{bmatrix} \\
3270 &= \mathbf{PI}(3, 3, 5, 0, 5, 1) = L_{319} = \begin{bmatrix} 1040 \\ 0133 \end{bmatrix} \\
3271 &= \mathbf{PI}(2, 4, 5, 0, 5, 1) = L_{474} = \begin{bmatrix} 1060 \\ 0144 \end{bmatrix} \\
3272 &= \mathbf{PI}(1, 5, 5, 0, 5, 1) = L_{118} = \begin{bmatrix} 1010 \\ 0155 \end{bmatrix} \\
3273 &= \mathbf{PI}(7, 6, 5, 0, 5, 1) = L_{419} = \begin{bmatrix} 1050 \\ 0166 \end{bmatrix} \\
3274 &= \mathbf{PI}(6, 7, 5, 0, 5, 1) = L_{209} = \begin{bmatrix} 1020 \\ 0177 \end{bmatrix} \\
3275 &= \mathbf{PI}(5, 1, 6, 0, 5, 1) = L_{524} = \begin{bmatrix} 1070 \\ 0151 \end{bmatrix} \\
3276 &= \mathbf{PI}(4, 2, 6, 0, 5, 1) = L_{242} = \begin{bmatrix} 1030 \\ 0172 \end{bmatrix} \\
3277 &= \mathbf{PI}(3, 3, 6, 0, 5, 1) = L_{318} = \begin{bmatrix} 1040 \\ 0123 \end{bmatrix} \\
3278 &= \mathbf{PI}(2, 4, 6, 0, 5, 1) = L_{473} = \begin{bmatrix} 1060 \\ 0134 \end{bmatrix} \\
3279 &= \mathbf{PI}(1, 5, 6, 0, 5, 1) = L_{119} = \begin{bmatrix} 1010 \\ 0165 \end{bmatrix} \\
3280 &= \mathbf{PI}(7, 6, 6, 0, 5, 1) = L_{417} = \begin{bmatrix} 1050 \\ 0146 \end{bmatrix} \\
3281 &= \mathbf{PI}(6, 7, 6, 0, 5, 1) = L_{203} = \begin{bmatrix} 1020 \\ 0117 \end{bmatrix} \\
3282 &= \mathbf{PI}(5, 1, 7, 0, 5, 1) = L_{521} = \begin{bmatrix} 1070 \\ 0121 \end{bmatrix} \\
3283 &= \mathbf{PI}(4, 2, 7, 0, 5, 1) = L_{239} = \begin{bmatrix} 1030 \\ 0142 \end{bmatrix} \\
3284 &= \mathbf{PI}(3, 3, 7, 0, 5, 1) = L_{322} = \begin{bmatrix} 1040 \\ 0163 \end{bmatrix} \\
3285 &= \mathbf{PI}(2, 4, 7, 0, 5, 1) = L_{475} = \begin{bmatrix} 1060 \\ 0154 \end{bmatrix} \\
3286 &= \mathbf{PI}(1, 5, 7, 0, 5, 1) = L_{120} = \begin{bmatrix} 1010 \\ 0175 \end{bmatrix} \\
3287 &= \mathbf{PI}(7, 6, 7, 0, 5, 1) = L_{414} = \begin{bmatrix} 1050 \\ 0116 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3288 &= \mathbf{PI}(6, 7, 7, 0, 5, 1) = L_{205} = \begin{bmatrix} 1020 \\ 0137 \end{bmatrix} \\
3289 &= \mathbf{PI}(5, 1, 0, 1, 5, 1) = L_{4607} = \begin{bmatrix} 1077 \\ 0101 \end{bmatrix} \\
3290 &= \mathbf{PI}(4, 2, 0, 1, 5, 1) = L_{1987} = \begin{bmatrix} 1033 \\ 0102 \end{bmatrix} \\
3291 &= \mathbf{PI}(3, 3, 0, 1, 5, 1) = L_{2652} = \begin{bmatrix} 1044 \\ 0103 \end{bmatrix} \\
3292 &= \mathbf{PI}(2, 4, 0, 1, 5, 1) = L_{3974} = \begin{bmatrix} 1066 \\ 0104 \end{bmatrix} \\
3293 &= \mathbf{PI}(1, 5, 0, 1, 5, 1) = L_{697} = \begin{bmatrix} 1011 \\ 0105 \end{bmatrix} \\
3294 &= \mathbf{PI}(7, 6, 0, 1, 5, 1) = L_{3333} = \begin{bmatrix} 1055 \\ 0106 \end{bmatrix} \\
3295 &= \mathbf{PI}(6, 7, 0, 1, 5, 1) = L_{1370} = \begin{bmatrix} 1022 \\ 0107 \end{bmatrix} \\
3296 &= \mathbf{PI}(4, 1, 1, 1, 5, 1) = L_{1990} = \begin{bmatrix} 1033 \\ 0132 \end{bmatrix} \\
3297 &= \mathbf{PI}(2, 2, 1, 1, 5, 1) = L_{3980} = \begin{bmatrix} 1066 \\ 0164 \end{bmatrix} \\
3298 &= \mathbf{PI}(7, 3, 1, 1, 5, 1) = L_{3338} = \begin{bmatrix} 1055 \\ 0156 \end{bmatrix} \\
3299 &= \mathbf{PI}(1, 4, 1, 1, 5, 1) = L_{698} = \begin{bmatrix} 1011 \\ 0115 \end{bmatrix} \\
3300 &= \mathbf{PI}(6, 5, 1, 1, 5, 1) = L_{1372} = \begin{bmatrix} 1022 \\ 0127 \end{bmatrix} \\
3301 &= \mathbf{PI}(5, 6, 1, 1, 5, 1) = L_{4614} = \begin{bmatrix} 1077 \\ 0171 \end{bmatrix} \\
3302 &= \mathbf{PI}(3, 7, 1, 1, 5, 1) = L_{2656} = \begin{bmatrix} 1044 \\ 0143 \end{bmatrix} \\
3303 &= \mathbf{PI}(7, 1, 2, 1, 5, 1) = L_{3340} = \begin{bmatrix} 1055 \\ 0176 \end{bmatrix} \\
3304 &= \mathbf{PI}(5, 2, 2, 1, 5, 1) = L_{4610} = \begin{bmatrix} 1077 \\ 0131 \end{bmatrix} \\
3305 &= \mathbf{PI}(6, 3, 2, 1, 5, 1) = L_{1374} = \begin{bmatrix} 1022 \\ 0147 \end{bmatrix} \\
3306 &= \mathbf{PI}(4, 4, 2, 1, 5, 1) = L_{1993} = \begin{bmatrix} 1033 \\ 0162 \end{bmatrix} \\
3307 &= \mathbf{PI}(2, 5, 2, 1, 5, 1) = L_{3975} = \begin{bmatrix} 1066 \\ 0114 \end{bmatrix} \\
3308 &= \mathbf{PI}(3, 6, 2, 1, 5, 1) = L_{2657} = \begin{bmatrix} 1044 \\ 0153 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3309 &= \mathbf{PI}(1, 7, 2, 1, 5, 1) = L_{699} = \begin{bmatrix} 1011 \\ 0125 \end{bmatrix} \\
3310 &= \mathbf{PI}(6, 1, 3, 1, 5, 1) = L_{1376} = \begin{bmatrix} 1022 \\ 0167 \end{bmatrix} \\
3311 &= \mathbf{PI}(3, 2, 3, 1, 5, 1) = L_{2653} = \begin{bmatrix} 1044 \\ 0113 \end{bmatrix} \\
3312 &= \mathbf{PI}(2, 3, 3, 1, 5, 1) = L_{3981} = \begin{bmatrix} 1066 \\ 0174 \end{bmatrix} \\
3313 &= \mathbf{PI}(7, 4, 3, 1, 5, 1) = L_{3335} = \begin{bmatrix} 1055 \\ 0126 \end{bmatrix} \\
3314 &= \mathbf{PI}(5, 5, 3, 1, 5, 1) = L_{4611} = \begin{bmatrix} 1077 \\ 0141 \end{bmatrix} \\
3315 &= \mathbf{PI}(1, 6, 3, 1, 5, 1) = L_{700} = \begin{bmatrix} 1011 \\ 0135 \end{bmatrix} \\
3316 &= \mathbf{PI}(4, 7, 3, 1, 5, 1) = L_{1992} = \begin{bmatrix} 1033 \\ 0152 \end{bmatrix} \\
3317 &= \mathbf{PI}(1, 1, 4, 1, 5, 1) = L_{701} = \begin{bmatrix} 1011 \\ 0145 \end{bmatrix} \\
3318 &= \mathbf{PI}(6, 2, 4, 1, 5, 1) = L_{1375} = \begin{bmatrix} 1022 \\ 0157 \end{bmatrix} \\
3319 &= \mathbf{PI}(4, 3, 4, 1, 5, 1) = L_{1988} = \begin{bmatrix} 1033 \\ 0112 \end{bmatrix} \\
3320 &= \mathbf{PI}(3, 4, 4, 1, 5, 1) = L_{2659} = \begin{bmatrix} 1044 \\ 0173 \end{bmatrix} \\
3321 &= \mathbf{PI}(7, 5, 4, 1, 5, 1) = L_{3336} = \begin{bmatrix} 1055 \\ 0136 \end{bmatrix} \\
3322 &= \mathbf{PI}(2, 6, 4, 1, 5, 1) = L_{3976} = \begin{bmatrix} 1066 \\ 0124 \end{bmatrix} \\
3323 &= \mathbf{PI}(5, 7, 4, 1, 5, 1) = L_{4613} = \begin{bmatrix} 1077 \\ 0161 \end{bmatrix} \\
3324 &= \mathbf{PI}(0, 0, 5, 1, 5, 1) = L_{576} = \begin{bmatrix} 1700 \\ 0011 \end{bmatrix} \\
3325 &= \mathbf{PI}(1, 0, 5, 1, 5, 1) = L_{702} = \begin{bmatrix} 1011 \\ 0155 \end{bmatrix} \\
3326 &= \mathbf{PI}(2, 0, 5, 1, 5, 1) = L_{3978} = \begin{bmatrix} 1066 \\ 0144 \end{bmatrix} \\
3327 &= \mathbf{PI}(3, 0, 5, 1, 5, 1) = L_{2655} = \begin{bmatrix} 1044 \\ 0133 \end{bmatrix} \\
3328 &= \mathbf{PI}(4, 0, 5, 1, 5, 1) = L_{1989} = \begin{bmatrix} 1033 \\ 0122 \end{bmatrix} \\
3329 &= \mathbf{PI}(5, 0, 5, 1, 5, 1) = L_{4608} = \begin{bmatrix} 1077 \\ 0111 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3330 &= \mathbf{PI}(6, 0, 5, 1, 5, 1) = L_{1377} = \begin{bmatrix} 1022 \\ 0177 \end{bmatrix} \\
3331 &= \mathbf{PI}(7, 0, 5, 1, 5, 1) = L_{3339} = \begin{bmatrix} 1055 \\ 0166 \end{bmatrix} \\
3332 &= \mathbf{PI}(0, 1, 5, 1, 5, 1) = L_{4664} = \begin{bmatrix} 1707 \\ 0011 \end{bmatrix} \\
3333 &= \mathbf{PI}(0, 2, 5, 1, 5, 1) = L_{2328} = \begin{bmatrix} 1703 \\ 0011 \end{bmatrix} \\
3334 &= \mathbf{PI}(0, 3, 5, 1, 5, 1) = L_{2912} = \begin{bmatrix} 1704 \\ 0011 \end{bmatrix} \\
3335 &= \mathbf{PI}(0, 4, 5, 1, 5, 1) = L_{4080} = \begin{bmatrix} 1706 \\ 0011 \end{bmatrix} \\
3336 &= \mathbf{PI}(0, 5, 5, 1, 5, 1) = L_{1160} = \begin{bmatrix} 1701 \\ 0011 \end{bmatrix} \\
3337 &= \mathbf{PI}(0, 6, 5, 1, 5, 1) = L_{3496} = \begin{bmatrix} 1705 \\ 0011 \end{bmatrix} \\
3338 &= \mathbf{PI}(0, 7, 5, 1, 5, 1) = L_{1744} = \begin{bmatrix} 1702 \\ 0011 \end{bmatrix} \\
3339 &= \mathbf{PI}(3, 1, 6, 1, 5, 1) = L_{2654} = \begin{bmatrix} 1044 \\ 0123 \end{bmatrix} \\
3340 &= \mathbf{PI}(7, 2, 6, 1, 5, 1) = L_{3337} = \begin{bmatrix} 1055 \\ 0146 \end{bmatrix} \\
3341 &= \mathbf{PI}(1, 3, 6, 1, 5, 1) = L_{703} = \begin{bmatrix} 1011 \\ 0165 \end{bmatrix} \\
3342 &= \mathbf{PI}(5, 4, 6, 1, 5, 1) = L_{4612} = \begin{bmatrix} 1077 \\ 0151 \end{bmatrix} \\
3343 &= \mathbf{PI}(4, 5, 6, 1, 5, 1) = L_{1994} = \begin{bmatrix} 1033 \\ 0172 \end{bmatrix} \\
3344 &= \mathbf{PI}(6, 6, 6, 1, 5, 1) = L_{1371} = \begin{bmatrix} 1022 \\ 0117 \end{bmatrix} \\
3345 &= \mathbf{PI}(2, 7, 6, 1, 5, 1) = L_{3977} = \begin{bmatrix} 1066 \\ 0134 \end{bmatrix} \\
3346 &= \mathbf{PI}(2, 1, 7, 1, 5, 1) = L_{3979} = \begin{bmatrix} 1066 \\ 0154 \end{bmatrix} \\
3347 &= \mathbf{PI}(1, 2, 7, 1, 5, 1) = L_{704} = \begin{bmatrix} 1011 \\ 0175 \end{bmatrix} \\
3348 &= \mathbf{PI}(5, 3, 7, 1, 5, 1) = L_{4609} = \begin{bmatrix} 1077 \\ 0121 \end{bmatrix} \\
3349 &= \mathbf{PI}(6, 4, 7, 1, 5, 1) = L_{1373} = \begin{bmatrix} 1022 \\ 0137 \end{bmatrix} \\
3350 &= \mathbf{PI}(3, 5, 7, 1, 5, 1) = L_{2658} = \begin{bmatrix} 1044 \\ 0163 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3351 &= \mathbf{PI}(4, 6, 7, 1, 5, 1) = L_{1991} = \begin{bmatrix} 1033 \\ 0142 \end{bmatrix} \\
3352 &= \mathbf{PI}(7, 7, 7, 1, 5, 1) = L_{3334} = \begin{bmatrix} 1055 \\ 0116 \end{bmatrix} \\
3353 &= \mathbf{PI}(5, 1, 0, 2, 5, 1) = L_{2271} = \begin{bmatrix} 1073 \\ 0101 \end{bmatrix} \\
3354 &= \mathbf{PI}(4, 2, 0, 2, 5, 1) = L_{3739} = \begin{bmatrix} 1036 \\ 0102 \end{bmatrix} \\
3355 &= \mathbf{PI}(3, 3, 0, 2, 5, 1) = L_{3236} = \begin{bmatrix} 1045 \\ 0103 \end{bmatrix} \\
3356 &= \mathbf{PI}(2, 4, 0, 2, 5, 1) = L_{1054} = \begin{bmatrix} 1061 \\ 0104 \end{bmatrix} \\
3357 &= \mathbf{PI}(1, 5, 0, 2, 5, 1) = L_{1281} = \begin{bmatrix} 1012 \\ 0105 \end{bmatrix} \\
3358 &= \mathbf{PI}(7, 6, 0, 2, 5, 1) = L_{4501} = \begin{bmatrix} 1057 \\ 0106 \end{bmatrix} \\
3359 &= \mathbf{PI}(6, 7, 0, 2, 5, 1) = L_{2538} = \begin{bmatrix} 1024 \\ 0107 \end{bmatrix} \\
3360 &= \mathbf{PI}(7, 1, 1, 2, 5, 1) = L_{4506} = \begin{bmatrix} 1057 \\ 0156 \end{bmatrix} \\
3361 &= \mathbf{PI}(5, 2, 1, 2, 5, 1) = L_{2278} = \begin{bmatrix} 1073 \\ 0171 \end{bmatrix} \\
3362 &= \mathbf{PI}(6, 3, 1, 2, 5, 1) = L_{2540} = \begin{bmatrix} 1024 \\ 0127 \end{bmatrix} \\
3363 &= \mathbf{PI}(4, 4, 1, 2, 5, 1) = L_{3742} = \begin{bmatrix} 1036 \\ 0132 \end{bmatrix} \\
3364 &= \mathbf{PI}(2, 5, 1, 2, 5, 1) = L_{1060} = \begin{bmatrix} 1061 \\ 0164 \end{bmatrix} \\
3365 &= \mathbf{PI}(3, 6, 1, 2, 5, 1) = L_{3240} = \begin{bmatrix} 1045 \\ 0143 \end{bmatrix} \\
3366 &= \mathbf{PI}(1, 7, 1, 2, 5, 1) = L_{1282} = \begin{bmatrix} 1012 \\ 0115 \end{bmatrix} \\
3367 &= \mathbf{PI}(1, 1, 2, 2, 5, 1) = L_{1283} = \begin{bmatrix} 1012 \\ 0125 \end{bmatrix} \\
3368 &= \mathbf{PI}(6, 2, 2, 2, 5, 1) = L_{2542} = \begin{bmatrix} 1024 \\ 0147 \end{bmatrix} \\
3369 &= \mathbf{PI}(4, 3, 2, 2, 5, 1) = L_{3745} = \begin{bmatrix} 1036 \\ 0162 \end{bmatrix} \\
3370 &= \mathbf{PI}(3, 4, 2, 2, 5, 1) = L_{3241} = \begin{bmatrix} 1045 \\ 0153 \end{bmatrix} \\
3371 &= \mathbf{PI}(7, 5, 2, 2, 5, 1) = L_{4508} = \begin{bmatrix} 1057 \\ 0176 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
3372 &= \mathbf{PI}(2, 6, 2, 2, 5, 1) = L_{1055} = \begin{bmatrix} 1061 \\ 0114 \end{bmatrix} \\
3373 &= \mathbf{PI}(5, 7, 2, 2, 5, 1) = L_{2274} = \begin{bmatrix} 1073 \\ 0131 \end{bmatrix} \\
3374 &= \mathbf{PI}(3, 1, 3, 2, 5, 1) = L_{3237} = \begin{bmatrix} 1045 \\ 0113 \end{bmatrix} \\
3375 &= \mathbf{PI}(7, 2, 3, 2, 5, 1) = L_{4503} = \begin{bmatrix} 1057 \\ 0126 \end{bmatrix} \\
3376 &= \mathbf{PI}(1, 3, 3, 2, 5, 1) = L_{1284} = \begin{bmatrix} 1012 \\ 0135 \end{bmatrix} \\
3377 &= \mathbf{PI}(5, 4, 3, 2, 5, 1) = L_{2275} = \begin{bmatrix} 1073 \\ 0141 \end{bmatrix} \\
3378 &= \mathbf{PI}(4, 5, 3, 2, 5, 1) = L_{3744} = \begin{bmatrix} 1036 \\ 0152 \end{bmatrix} \\
3379 &= \mathbf{PI}(6, 6, 3, 2, 5, 1) = L_{2544} = \begin{bmatrix} 1024 \\ 0167 \end{bmatrix} \\
3380 &= \mathbf{PI}(2, 7, 3, 2, 5, 1) = L_{1061} = \begin{bmatrix} 1061 \\ 0174 \end{bmatrix} \\
3381 &= \mathbf{PI}(0, 0, 4, 2, 5, 1) = L_{285} = \begin{bmatrix} 1300 \\ 0012 \end{bmatrix} \\
3382 &= \mathbf{PI}(1, 0, 4, 2, 5, 1) = L_{1285} = \begin{bmatrix} 1012 \\ 0145 \end{bmatrix} \\
3383 &= \mathbf{PI}(2, 0, 4, 2, 5, 1) = L_{1056} = \begin{bmatrix} 1061 \\ 0124 \end{bmatrix} \\
3384 &= \mathbf{PI}(3, 0, 4, 2, 5, 1) = L_{3243} = \begin{bmatrix} 1045 \\ 0173 \end{bmatrix} \\
3385 &= \mathbf{PI}(4, 0, 4, 2, 5, 1) = L_{3740} = \begin{bmatrix} 1036 \\ 0112 \end{bmatrix} \\
3386 &= \mathbf{PI}(5, 0, 4, 2, 5, 1) = L_{2277} = \begin{bmatrix} 1073 \\ 0161 \end{bmatrix} \\
3387 &= \mathbf{PI}(6, 0, 4, 2, 5, 1) = L_{2543} = \begin{bmatrix} 1024 \\ 0157 \end{bmatrix} \\
3388 &= \mathbf{PI}(7, 0, 4, 2, 5, 1) = L_{4504} = \begin{bmatrix} 1057 \\ 0136 \end{bmatrix} \\
3389 &= \mathbf{PI}(0, 1, 4, 2, 5, 1) = L_{2037} = \begin{bmatrix} 1303 \\ 0012 \end{bmatrix} \\
3390 &= \mathbf{PI}(0, 2, 4, 2, 5, 1) = L_{3789} = \begin{bmatrix} 1306 \\ 0012 \end{bmatrix} \\
3391 &= \mathbf{PI}(0, 3, 4, 2, 5, 1) = L_{3205} = \begin{bmatrix} 1305 \\ 0012 \end{bmatrix} \\
3392 &= \mathbf{PI}(0, 4, 4, 2, 5, 1) = L_{869} = \begin{bmatrix} 1301 \\ 0012 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3393 &= \mathbf{PI}(0, 5, 4, 2, 5, 1) = L_{1453} = \begin{bmatrix} 1302 \\ 0012 \end{bmatrix} \\
3394 &= \mathbf{PI}(0, 6, 4, 2, 5, 1) = L_{4373} = \begin{bmatrix} 1307 \\ 0012 \end{bmatrix} \\
3395 &= \mathbf{PI}(0, 7, 4, 2, 5, 1) = L_{2621} = \begin{bmatrix} 1304 \\ 0012 \end{bmatrix} \\
3396 &= \mathbf{PI}(2, 1, 5, 2, 5, 1) = L_{1058} = \begin{bmatrix} 1061 \\ 0144 \end{bmatrix} \\
3397 &= \mathbf{PI}(1, 2, 5, 2, 5, 1) = L_{1286} = \begin{bmatrix} 1012 \\ 0155 \end{bmatrix} \\
3398 &= \mathbf{PI}(5, 3, 5, 2, 5, 1) = L_{2272} = \begin{bmatrix} 1073 \\ 0111 \end{bmatrix} \\
3399 &= \mathbf{PI}(6, 4, 5, 2, 5, 1) = L_{2545} = \begin{bmatrix} 1024 \\ 0177 \end{bmatrix} \\
3400 &= \mathbf{PI}(3, 5, 5, 2, 5, 1) = L_{3239} = \begin{bmatrix} 1045 \\ 0133 \end{bmatrix} \\
3401 &= \mathbf{PI}(4, 6, 5, 2, 5, 1) = L_{3741} = \begin{bmatrix} 1036 \\ 0122 \end{bmatrix} \\
3402 &= \mathbf{PI}(7, 7, 5, 2, 5, 1) = L_{4507} = \begin{bmatrix} 1057 \\ 0166 \end{bmatrix} \\
3403 &= \mathbf{PI}(4, 1, 6, 2, 5, 1) = L_{3746} = \begin{bmatrix} 1036 \\ 0172 \end{bmatrix} \\
3404 &= \mathbf{PI}(2, 2, 6, 2, 5, 1) = L_{1057} = \begin{bmatrix} 1061 \\ 0134 \end{bmatrix} \\
3405 &= \mathbf{PI}(7, 3, 6, 2, 5, 1) = L_{4505} = \begin{bmatrix} 1057 \\ 0146 \end{bmatrix} \\
3406 &= \mathbf{PI}(1, 4, 6, 2, 5, 1) = L_{1287} = \begin{bmatrix} 1012 \\ 0165 \end{bmatrix} \\
3407 &= \mathbf{PI}(6, 5, 6, 2, 5, 1) = L_{2539} = \begin{bmatrix} 1024 \\ 0117 \end{bmatrix} \\
3408 &= \mathbf{PI}(5, 6, 6, 2, 5, 1) = L_{2276} = \begin{bmatrix} 1073 \\ 0151 \end{bmatrix} \\
3409 &= \mathbf{PI}(3, 7, 6, 2, 5, 1) = L_{3238} = \begin{bmatrix} 1045 \\ 0123 \end{bmatrix} \\
3410 &= \mathbf{PI}(6, 1, 7, 2, 5, 1) = L_{2541} = \begin{bmatrix} 1024 \\ 0137 \end{bmatrix} \\
3411 &= \mathbf{PI}(3, 2, 7, 2, 5, 1) = L_{3242} = \begin{bmatrix} 1045 \\ 0163 \end{bmatrix} \\
3412 &= \mathbf{PI}(2, 3, 7, 2, 5, 1) = L_{1059} = \begin{bmatrix} 1061 \\ 0154 \end{bmatrix} \\
3413 &= \mathbf{PI}(7, 4, 7, 2, 5, 1) = L_{4502} = \begin{bmatrix} 1057 \\ 0116 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3414 &= \mathbf{PI}(5, 5, 7, 2, 5, 1) = L_{2273} = \begin{bmatrix} 1073 \\ 0121 \end{bmatrix} \\
3415 &= \mathbf{PI}(1, 6, 7, 2, 5, 1) = L_{1288} = \begin{bmatrix} 1012 \\ 0175 \end{bmatrix} \\
3416 &= \mathbf{PI}(4, 7, 7, 2, 5, 1) = L_{3743} = \begin{bmatrix} 1036 \\ 0142 \end{bmatrix} \\
3417 &= \mathbf{PI}(5, 1, 0, 3, 5, 1) = L_{2855} = \begin{bmatrix} 1074 \\ 0101 \end{bmatrix} \\
3418 &= \mathbf{PI}(4, 2, 0, 3, 5, 1) = L_{3155} = \begin{bmatrix} 1035 \\ 0102 \end{bmatrix} \\
3419 &= \mathbf{PI}(3, 3, 0, 3, 5, 1) = L_{900} = \begin{bmatrix} 1041 \\ 0103 \end{bmatrix} \\
3420 &= \mathbf{PI}(2, 4, 0, 3, 5, 1) = L_{4558} = \begin{bmatrix} 1067 \\ 0104 \end{bmatrix} \\
3421 &= \mathbf{PI}(1, 5, 0, 3, 5, 1) = L_{1865} = \begin{bmatrix} 1013 \\ 0105 \end{bmatrix} \\
3422 &= \mathbf{PI}(7, 6, 0, 3, 5, 1) = L_{1581} = \begin{bmatrix} 1052 \\ 0106 \end{bmatrix} \\
3423 &= \mathbf{PI}(6, 7, 0, 3, 5, 1) = L_{3706} = \begin{bmatrix} 1026 \\ 0107 \end{bmatrix} \\
3424 &= \mathbf{PI}(6, 1, 1, 3, 5, 1) = L_{3708} = \begin{bmatrix} 1026 \\ 0127 \end{bmatrix} \\
3425 &= \mathbf{PI}(3, 2, 1, 3, 5, 1) = L_{904} = \begin{bmatrix} 1041 \\ 0143 \end{bmatrix} \\
3426 &= \mathbf{PI}(2, 3, 1, 3, 5, 1) = L_{4564} = \begin{bmatrix} 1067 \\ 0164 \end{bmatrix} \\
3427 &= \mathbf{PI}(7, 4, 1, 3, 5, 1) = L_{1586} = \begin{bmatrix} 1052 \\ 0156 \end{bmatrix} \\
3428 &= \mathbf{PI}(5, 5, 1, 3, 5, 1) = L_{2862} = \begin{bmatrix} 1074 \\ 0171 \end{bmatrix} \\
3429 &= \mathbf{PI}(1, 6, 1, 3, 5, 1) = L_{1866} = \begin{bmatrix} 1013 \\ 0115 \end{bmatrix} \\
3430 &= \mathbf{PI}(4, 7, 1, 3, 5, 1) = L_{3158} = \begin{bmatrix} 1035 \\ 0132 \end{bmatrix} \\
3431 &= \mathbf{PI}(3, 1, 2, 3, 5, 1) = L_{905} = \begin{bmatrix} 1041 \\ 0153 \end{bmatrix} \\
3432 &= \mathbf{PI}(7, 2, 2, 3, 5, 1) = L_{1588} = \begin{bmatrix} 1052 \\ 0176 \end{bmatrix} \\
3433 &= \mathbf{PI}(1, 3, 2, 3, 5, 1) = L_{1867} = \begin{bmatrix} 1013 \\ 0125 \end{bmatrix} \\
3434 &= \mathbf{PI}(5, 4, 2, 3, 5, 1) = L_{2858} = \begin{bmatrix} 1074 \\ 0131 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3435 &= \mathbf{PI}(4, 5, 2, 3, 5, 1) = L_{3161} = \begin{bmatrix} 1035 \\ 0162 \end{bmatrix} \\
3436 &= \mathbf{PI}(6, 6, 2, 3, 5, 1) = L_{3710} = \begin{bmatrix} 1026 \\ 0147 \end{bmatrix} \\
3437 &= \mathbf{PI}(2, 7, 2, 3, 5, 1) = L_{4559} = \begin{bmatrix} 1067 \\ 0114 \end{bmatrix} \\
3438 &= \mathbf{PI}(0, 0, 3, 3, 5, 1) = L_{359} = \begin{bmatrix} 1400 \\ 0013 \end{bmatrix} \\
3439 &= \mathbf{PI}(1, 0, 3, 3, 5, 1) = L_{1868} = \begin{bmatrix} 1013 \\ 0135 \end{bmatrix} \\
3440 &= \mathbf{PI}(2, 0, 3, 3, 5, 1) = L_{4565} = \begin{bmatrix} 1067 \\ 0174 \end{bmatrix} \\
3441 &= \mathbf{PI}(3, 0, 3, 3, 5, 1) = L_{901} = \begin{bmatrix} 1041 \\ 0113 \end{bmatrix} \\
3442 &= \mathbf{PI}(4, 0, 3, 3, 5, 1) = L_{3160} = \begin{bmatrix} 1035 \\ 0152 \end{bmatrix} \\
3443 &= \mathbf{PI}(5, 0, 3, 3, 5, 1) = L_{2859} = \begin{bmatrix} 1074 \\ 0141 \end{bmatrix} \\
3444 &= \mathbf{PI}(6, 0, 3, 3, 5, 1) = L_{3712} = \begin{bmatrix} 1026 \\ 0167 \end{bmatrix} \\
3445 &= \mathbf{PI}(7, 0, 3, 3, 5, 1) = L_{1583} = \begin{bmatrix} 1052 \\ 0126 \end{bmatrix} \\
3446 &= \mathbf{PI}(0, 1, 3, 3, 5, 1) = L_{2695} = \begin{bmatrix} 1404 \\ 0013 \end{bmatrix} \\
3447 &= \mathbf{PI}(0, 2, 3, 3, 5, 1) = L_{3279} = \begin{bmatrix} 1405 \\ 0013 \end{bmatrix} \\
3448 &= \mathbf{PI}(0, 3, 3, 3, 5, 1) = L_{943} = \begin{bmatrix} 1401 \\ 0013 \end{bmatrix} \\
3449 &= \mathbf{PI}(0, 4, 3, 3, 5, 1) = L_{4447} = \begin{bmatrix} 1407 \\ 0013 \end{bmatrix} \\
3450 &= \mathbf{PI}(0, 5, 3, 3, 5, 1) = L_{2111} = \begin{bmatrix} 1403 \\ 0013 \end{bmatrix} \\
3451 &= \mathbf{PI}(0, 6, 3, 3, 5, 1) = L_{1527} = \begin{bmatrix} 1402 \\ 0013 \end{bmatrix} \\
3452 &= \mathbf{PI}(0, 7, 3, 3, 5, 1) = L_{3863} = \begin{bmatrix} 1406 \\ 0013 \end{bmatrix} \\
3453 &= \mathbf{PI}(4, 1, 4, 3, 5, 1) = L_{3156} = \begin{bmatrix} 1035 \\ 0112 \end{bmatrix} \\
3454 &= \mathbf{PI}(2, 2, 4, 3, 5, 1) = L_{4560} = \begin{bmatrix} 1067 \\ 0124 \end{bmatrix} \\
3455 &= \mathbf{PI}(7, 3, 4, 3, 5, 1) = L_{1584} = \begin{bmatrix} 1052 \\ 0136 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3456 &= \mathbf{PI}(1, 4, 4, 3, 5, 1) = L_{1869} = \begin{bmatrix} 1013 \\ 0145 \end{bmatrix} \\
3457 &= \mathbf{PI}(6, 5, 4, 3, 5, 1) = L_{3711} = \begin{bmatrix} 1026 \\ 0157 \end{bmatrix} \\
3458 &= \mathbf{PI}(5, 6, 4, 3, 5, 1) = L_{2861} = \begin{bmatrix} 1074 \\ 0161 \end{bmatrix} \\
3459 &= \mathbf{PI}(3, 7, 4, 3, 5, 1) = L_{907} = \begin{bmatrix} 1041 \\ 0173 \end{bmatrix} \\
3460 &= \mathbf{PI}(7, 1, 5, 3, 5, 1) = L_{1587} = \begin{bmatrix} 1052 \\ 0166 \end{bmatrix} \\
3461 &= \mathbf{PI}(5, 2, 5, 3, 5, 1) = L_{2856} = \begin{bmatrix} 1074 \\ 0111 \end{bmatrix} \\
3462 &= \mathbf{PI}(6, 3, 5, 3, 5, 1) = L_{3713} = \begin{bmatrix} 1026 \\ 0177 \end{bmatrix} \\
3463 &= \mathbf{PI}(4, 4, 5, 3, 5, 1) = L_{3157} = \begin{bmatrix} 1035 \\ 0122 \end{bmatrix} \\
3464 &= \mathbf{PI}(2, 5, 5, 3, 5, 1) = L_{4562} = \begin{bmatrix} 1067 \\ 0144 \end{bmatrix} \\
3465 &= \mathbf{PI}(3, 6, 5, 3, 5, 1) = L_{903} = \begin{bmatrix} 1041 \\ 0133 \end{bmatrix} \\
3466 &= \mathbf{PI}(1, 7, 5, 3, 5, 1) = L_{1870} = \begin{bmatrix} 1013 \\ 0155 \end{bmatrix} \\
3467 &= \mathbf{PI}(2, 1, 6, 3, 5, 1) = L_{4561} = \begin{bmatrix} 1067 \\ 0134 \end{bmatrix} \\
3468 &= \mathbf{PI}(1, 2, 6, 3, 5, 1) = L_{1871} = \begin{bmatrix} 1013 \\ 0165 \end{bmatrix} \\
3469 &= \mathbf{PI}(5, 3, 6, 3, 5, 1) = L_{2860} = \begin{bmatrix} 1074 \\ 0151 \end{bmatrix} \\
3470 &= \mathbf{PI}(6, 4, 6, 3, 5, 1) = L_{3707} = \begin{bmatrix} 1026 \\ 0117 \end{bmatrix} \\
3471 &= \mathbf{PI}(3, 5, 6, 3, 5, 1) = L_{902} = \begin{bmatrix} 1041 \\ 0123 \end{bmatrix} \\
3472 &= \mathbf{PI}(4, 6, 6, 3, 5, 1) = L_{3162} = \begin{bmatrix} 1035 \\ 0172 \end{bmatrix} \\
3473 &= \mathbf{PI}(7, 7, 6, 3, 5, 1) = L_{1585} = \begin{bmatrix} 1052 \\ 0146 \end{bmatrix} \\
3474 &= \mathbf{PI}(1, 1, 7, 3, 5, 1) = L_{1872} = \begin{bmatrix} 1013 \\ 0175 \end{bmatrix} \\
3475 &= \mathbf{PI}(6, 2, 7, 3, 5, 1) = L_{3709} = \begin{bmatrix} 1026 \\ 0137 \end{bmatrix} \\
3476 &= \mathbf{PI}(4, 3, 7, 3, 5, 1) = L_{3159} = \begin{bmatrix} 1035 \\ 0142 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3477 &= \mathbf{PI}(3, 4, 7, 3, 5, 1) = L_{906} = \begin{bmatrix} 1041 \\ 0163 \end{bmatrix} \\
3478 &= \mathbf{PI}(7, 5, 7, 3, 5, 1) = L_{1582} = \begin{bmatrix} 1052 \\ 0116 \end{bmatrix} \\
3479 &= \mathbf{PI}(2, 6, 7, 3, 5, 1) = L_{4563} = \begin{bmatrix} 1067 \\ 0154 \end{bmatrix} \\
3480 &= \mathbf{PI}(5, 7, 7, 3, 5, 1) = L_{2857} = \begin{bmatrix} 1074 \\ 0121 \end{bmatrix} \\
3481 &= \mathbf{PI}(5, 1, 0, 4, 5, 1) = L_{4023} = \begin{bmatrix} 1076 \\ 0101 \end{bmatrix} \\
3482 &= \mathbf{PI}(4, 2, 0, 4, 5, 1) = L_{819} = \begin{bmatrix} 1031 \\ 0102 \end{bmatrix} \\
3483 &= \mathbf{PI}(3, 3, 0, 4, 5, 1) = L_{4404} = \begin{bmatrix} 1047 \\ 0103 \end{bmatrix} \\
3484 &= \mathbf{PI}(2, 4, 0, 4, 5, 1) = L_{1638} = \begin{bmatrix} 1062 \\ 0104 \end{bmatrix} \\
3485 &= \mathbf{PI}(1, 5, 0, 4, 5, 1) = L_{2449} = \begin{bmatrix} 1014 \\ 0105 \end{bmatrix} \\
3486 &= \mathbf{PI}(7, 6, 0, 4, 5, 1) = L_{2165} = \begin{bmatrix} 1053 \\ 0106 \end{bmatrix} \\
3487 &= \mathbf{PI}(6, 7, 0, 4, 5, 1) = L_{3122} = \begin{bmatrix} 1025 \\ 0107 \end{bmatrix} \\
3488 &= \mathbf{PI}(1, 1, 1, 4, 5, 1) = L_{2450} = \begin{bmatrix} 1014 \\ 0115 \end{bmatrix} \\
3489 &= \mathbf{PI}(6, 2, 1, 4, 5, 1) = L_{3124} = \begin{bmatrix} 1025 \\ 0127 \end{bmatrix} \\
3490 &= \mathbf{PI}(4, 3, 1, 4, 5, 1) = L_{822} = \begin{bmatrix} 1031 \\ 0132 \end{bmatrix} \\
3491 &= \mathbf{PI}(3, 4, 1, 4, 5, 1) = L_{4408} = \begin{bmatrix} 1047 \\ 0143 \end{bmatrix} \\
3492 &= \mathbf{PI}(7, 5, 1, 4, 5, 1) = L_{2170} = \begin{bmatrix} 1053 \\ 0156 \end{bmatrix} \\
3493 &= \mathbf{PI}(2, 6, 1, 4, 5, 1) = L_{1644} = \begin{bmatrix} 1062 \\ 0164 \end{bmatrix} \\
3494 &= \mathbf{PI}(5, 7, 1, 4, 5, 1) = L_{4030} = \begin{bmatrix} 1076 \\ 0171 \end{bmatrix} \\
3495 &= \mathbf{PI}(0, 0, 2, 4, 5, 1) = L_{506} = \begin{bmatrix} 1600 \\ 0014 \end{bmatrix} \\
3496 &= \mathbf{PI}(1, 0, 2, 4, 5, 1) = L_{2451} = \begin{bmatrix} 1014 \\ 0125 \end{bmatrix} \\
3497 &= \mathbf{PI}(2, 0, 2, 4, 5, 1) = L_{1639} = \begin{bmatrix} 1062 \\ 0114 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3498 &= \mathbf{PI}(3, 0, 2, 4, 5, 1) = L_{4409} = \begin{bmatrix} 1047 \\ 0153 \end{bmatrix} \\
3499 &= \mathbf{PI}(4, 0, 2, 4, 5, 1) = L_{825} = \begin{bmatrix} 1031 \\ 0162 \end{bmatrix} \\
3500 &= \mathbf{PI}(5, 0, 2, 4, 5, 1) = L_{4026} = \begin{bmatrix} 1076 \\ 0131 \end{bmatrix} \\
3501 &= \mathbf{PI}(6, 0, 2, 4, 5, 1) = L_{3126} = \begin{bmatrix} 1025 \\ 0147 \end{bmatrix} \\
3502 &= \mathbf{PI}(7, 0, 2, 4, 5, 1) = L_{2172} = \begin{bmatrix} 1053 \\ 0176 \end{bmatrix} \\
3503 &= \mathbf{PI}(0, 1, 2, 4, 5, 1) = L_{4010} = \begin{bmatrix} 1606 \\ 0014 \end{bmatrix} \\
3504 &= \mathbf{PI}(0, 2, 2, 4, 5, 1) = L_{1090} = \begin{bmatrix} 1601 \\ 0014 \end{bmatrix} \\
3505 &= \mathbf{PI}(0, 3, 2, 4, 5, 1) = L_{4594} = \begin{bmatrix} 1607 \\ 0014 \end{bmatrix} \\
3506 &= \mathbf{PI}(0, 4, 2, 4, 5, 1) = L_{1674} = \begin{bmatrix} 1602 \\ 0014 \end{bmatrix} \\
3507 &= \mathbf{PI}(0, 5, 2, 4, 5, 1) = L_{2842} = \begin{bmatrix} 1604 \\ 0014 \end{bmatrix} \\
3508 &= \mathbf{PI}(0, 6, 2, 4, 5, 1) = L_{2258} = \begin{bmatrix} 1603 \\ 0014 \end{bmatrix} \\
3509 &= \mathbf{PI}(0, 7, 2, 4, 5, 1) = L_{3426} = \begin{bmatrix} 1605 \\ 0014 \end{bmatrix} \\
3510 &= \mathbf{PI}(4, 1, 3, 4, 5, 1) = L_{824} = \begin{bmatrix} 1031 \\ 0152 \end{bmatrix} \\
3511 &= \mathbf{PI}(2, 2, 3, 4, 5, 1) = L_{1645} = \begin{bmatrix} 1062 \\ 0174 \end{bmatrix} \\
3512 &= \mathbf{PI}(7, 3, 3, 4, 5, 1) = L_{2167} = \begin{bmatrix} 1053 \\ 0126 \end{bmatrix} \\
3513 &= \mathbf{PI}(1, 4, 3, 4, 5, 1) = L_{2452} = \begin{bmatrix} 1014 \\ 0135 \end{bmatrix} \\
3514 &= \mathbf{PI}(6, 5, 3, 4, 5, 1) = L_{3128} = \begin{bmatrix} 1025 \\ 0167 \end{bmatrix} \\
3515 &= \mathbf{PI}(5, 6, 3, 4, 5, 1) = L_{4027} = \begin{bmatrix} 1076 \\ 0141 \end{bmatrix} \\
3516 &= \mathbf{PI}(3, 7, 3, 4, 5, 1) = L_{4405} = \begin{bmatrix} 1047 \\ 0113 \end{bmatrix} \\
3517 &= \mathbf{PI}(2, 1, 4, 4, 5, 1) = L_{1640} = \begin{bmatrix} 1062 \\ 0124 \end{bmatrix} \\
3518 &= \mathbf{PI}(1, 2, 4, 4, 5, 1) = L_{2453} = \begin{bmatrix} 1014 \\ 0145 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3519 &= \mathbf{PI}(5, 3, 4, 4, 5, 1) = L_{4029} = \begin{bmatrix} 1076 \\ 0161 \end{bmatrix} \\
3520 &= \mathbf{PI}(6, 4, 4, 4, 5, 1) = L_{3127} = \begin{bmatrix} 1025 \\ 0157 \end{bmatrix} \\
3521 &= \mathbf{PI}(3, 5, 4, 4, 5, 1) = L_{4411} = \begin{bmatrix} 1047 \\ 0173 \end{bmatrix} \\
3522 &= \mathbf{PI}(4, 6, 4, 4, 5, 1) = L_{820} = \begin{bmatrix} 1031 \\ 0112 \end{bmatrix} \\
3523 &= \mathbf{PI}(7, 7, 4, 4, 5, 1) = L_{2168} = \begin{bmatrix} 1053 \\ 0136 \end{bmatrix} \\
3524 &= \mathbf{PI}(6, 1, 5, 4, 5, 1) = L_{3129} = \begin{bmatrix} 1025 \\ 0177 \end{bmatrix} \\
3525 &= \mathbf{PI}(3, 2, 5, 4, 5, 1) = L_{4407} = \begin{bmatrix} 1047 \\ 0133 \end{bmatrix} \\
3526 &= \mathbf{PI}(2, 3, 5, 4, 5, 1) = L_{1642} = \begin{bmatrix} 1062 \\ 0144 \end{bmatrix} \\
3527 &= \mathbf{PI}(7, 4, 5, 4, 5, 1) = L_{2171} = \begin{bmatrix} 1053 \\ 0166 \end{bmatrix} \\
3528 &= \mathbf{PI}(5, 5, 5, 4, 5, 1) = L_{4024} = \begin{bmatrix} 1076 \\ 0111 \end{bmatrix} \\
3529 &= \mathbf{PI}(1, 6, 5, 4, 5, 1) = L_{2454} = \begin{bmatrix} 1014 \\ 0155 \end{bmatrix} \\
3530 &= \mathbf{PI}(4, 7, 5, 4, 5, 1) = L_{821} = \begin{bmatrix} 1031 \\ 0122 \end{bmatrix} \\
3531 &= \mathbf{PI}(7, 1, 6, 4, 5, 1) = L_{2169} = \begin{bmatrix} 1053 \\ 0146 \end{bmatrix} \\
3532 &= \mathbf{PI}(5, 2, 6, 4, 5, 1) = L_{4028} = \begin{bmatrix} 1076 \\ 0151 \end{bmatrix} \\
3533 &= \mathbf{PI}(6, 3, 6, 4, 5, 1) = L_{3123} = \begin{bmatrix} 1025 \\ 0117 \end{bmatrix} \\
3534 &= \mathbf{PI}(4, 4, 6, 4, 5, 1) = L_{826} = \begin{bmatrix} 1031 \\ 0172 \end{bmatrix} \\
3535 &= \mathbf{PI}(2, 5, 6, 4, 5, 1) = L_{1641} = \begin{bmatrix} 1062 \\ 0134 \end{bmatrix} \\
3536 &= \mathbf{PI}(3, 6, 6, 4, 5, 1) = L_{4406} = \begin{bmatrix} 1047 \\ 0123 \end{bmatrix} \\
3537 &= \mathbf{PI}(1, 7, 6, 4, 5, 1) = L_{2455} = \begin{bmatrix} 1014 \\ 0165 \end{bmatrix} \\
3538 &= \mathbf{PI}(3, 1, 7, 4, 5, 1) = L_{4410} = \begin{bmatrix} 1047 \\ 0163 \end{bmatrix} \\
3539 &= \mathbf{PI}(7, 2, 7, 4, 5, 1) = L_{2166} = \begin{bmatrix} 1053 \\ 0116 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
3540 &= \mathbf{PI}(1, 3, 7, 4, 5, 1) = L_{2456} = \begin{bmatrix} 1014 \\ 0175 \end{bmatrix} \\
3541 &= \mathbf{PI}(5, 4, 7, 4, 5, 1) = L_{4025} = \begin{bmatrix} 1076 \\ 0121 \end{bmatrix} \\
3542 &= \mathbf{PI}(4, 5, 7, 4, 5, 1) = L_{823} = \begin{bmatrix} 1031 \\ 0142 \end{bmatrix} \\
3543 &= \mathbf{PI}(6, 6, 7, 4, 5, 1) = L_{3125} = \begin{bmatrix} 1025 \\ 0137 \end{bmatrix} \\
3544 &= \mathbf{PI}(2, 7, 7, 4, 5, 1) = L_{1643} = \begin{bmatrix} 1062 \\ 0154 \end{bmatrix} \\
3545 &= \mathbf{PI}(5, 1, 0, 5, 5, 1) = L_{1103} = \begin{bmatrix} 1071 \\ 0101 \end{bmatrix} \\
3546 &= \mathbf{PI}(4, 2, 0, 5, 5, 1) = L_{1403} = \begin{bmatrix} 1032 \\ 0102 \end{bmatrix} \\
3547 &= \mathbf{PI}(3, 3, 0, 5, 5, 1) = L_{2068} = \begin{bmatrix} 1043 \\ 0103 \end{bmatrix} \\
3548 &= \mathbf{PI}(2, 4, 0, 5, 5, 1) = L_{2806} = \begin{bmatrix} 1064 \\ 0104 \end{bmatrix} \\
3549 &= \mathbf{PI}(1, 5, 0, 5, 5, 1) = L_{3033} = \begin{bmatrix} 1015 \\ 0105 \end{bmatrix} \\
3550 &= \mathbf{PI}(7, 6, 0, 5, 5, 1) = L_{3917} = \begin{bmatrix} 1056 \\ 0106 \end{bmatrix} \\
3551 &= \mathbf{PI}(6, 7, 0, 5, 5, 1) = L_{4290} = \begin{bmatrix} 1027 \\ 0107 \end{bmatrix} \\
3552 &= \mathbf{PI}(0, 0, 1, 5, 5, 1) = L_{142} = \begin{bmatrix} 1100 \\ 0015 \end{bmatrix} \\
3553 &= \mathbf{PI}(1, 0, 1, 5, 5, 1) = L_{3034} = \begin{bmatrix} 1015 \\ 0115 \end{bmatrix} \\
3554 &= \mathbf{PI}(2, 0, 1, 5, 5, 1) = L_{2812} = \begin{bmatrix} 1064 \\ 0164 \end{bmatrix} \\
3555 &= \mathbf{PI}(3, 0, 1, 5, 5, 1) = L_{2072} = \begin{bmatrix} 1043 \\ 0143 \end{bmatrix} \\
3556 &= \mathbf{PI}(4, 0, 1, 5, 5, 1) = L_{1406} = \begin{bmatrix} 1032 \\ 0132 \end{bmatrix} \\
3557 &= \mathbf{PI}(5, 0, 1, 5, 5, 1) = L_{1110} = \begin{bmatrix} 1071 \\ 0171 \end{bmatrix} \\
3558 &= \mathbf{PI}(6, 0, 1, 5, 5, 1) = L_{4292} = \begin{bmatrix} 1027 \\ 0127 \end{bmatrix} \\
3559 &= \mathbf{PI}(7, 0, 1, 5, 5, 1) = L_{3922} = \begin{bmatrix} 1056 \\ 0156 \end{bmatrix} \\
3560 &= \mathbf{PI}(0, 1, 1, 5, 5, 1) = L_{726} = \begin{bmatrix} 1101 \\ 0015 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3561 &= \mathbf{PI}(0, 2, 1, 5, 5, 1) = L_{1310} = \begin{bmatrix} 1102 \\ 0015 \end{bmatrix} \\
3562 &= \mathbf{PI}(0, 3, 1, 5, 5, 1) = L_{1894} = \begin{bmatrix} 1103 \\ 0015 \end{bmatrix} \\
3563 &= \mathbf{PI}(0, 4, 1, 5, 5, 1) = L_{2478} = \begin{bmatrix} 1104 \\ 0015 \end{bmatrix} \\
3564 &= \mathbf{PI}(0, 5, 1, 5, 5, 1) = L_{3062} = \begin{bmatrix} 1105 \\ 0015 \end{bmatrix} \\
3565 &= \mathbf{PI}(0, 6, 1, 5, 5, 1) = L_{3646} = \begin{bmatrix} 1106 \\ 0015 \end{bmatrix} \\
3566 &= \mathbf{PI}(0, 7, 1, 5, 5, 1) = L_{4230} = \begin{bmatrix} 1107 \\ 0015 \end{bmatrix} \\
3567 &= \mathbf{PI}(2, 1, 2, 5, 5, 1) = L_{2807} = \begin{bmatrix} 1064 \\ 0114 \end{bmatrix} \\
3568 &= \mathbf{PI}(1, 2, 2, 5, 5, 1) = L_{3035} = \begin{bmatrix} 1015 \\ 0125 \end{bmatrix} \\
3569 &= \mathbf{PI}(5, 3, 2, 5, 5, 1) = L_{1106} = \begin{bmatrix} 1071 \\ 0131 \end{bmatrix} \\
3570 &= \mathbf{PI}(6, 4, 2, 5, 5, 1) = L_{4294} = \begin{bmatrix} 1027 \\ 0147 \end{bmatrix} \\
3571 &= \mathbf{PI}(3, 5, 2, 5, 5, 1) = L_{2073} = \begin{bmatrix} 1043 \\ 0153 \end{bmatrix} \\
3572 &= \mathbf{PI}(4, 6, 2, 5, 5, 1) = L_{1409} = \begin{bmatrix} 1032 \\ 0162 \end{bmatrix} \\
3573 &= \mathbf{PI}(7, 7, 2, 5, 5, 1) = L_{3924} = \begin{bmatrix} 1056 \\ 0176 \end{bmatrix} \\
3574 &= \mathbf{PI}(7, 1, 3, 5, 5, 1) = L_{3919} = \begin{bmatrix} 1056 \\ 0126 \end{bmatrix} \\
3575 &= \mathbf{PI}(5, 2, 3, 5, 5, 1) = L_{1107} = \begin{bmatrix} 1071 \\ 0141 \end{bmatrix} \\
3576 &= \mathbf{PI}(6, 3, 3, 5, 5, 1) = L_{4296} = \begin{bmatrix} 1027 \\ 0167 \end{bmatrix} \\
3577 &= \mathbf{PI}(4, 4, 3, 5, 5, 1) = L_{1408} = \begin{bmatrix} 1032 \\ 0152 \end{bmatrix} \\
3578 &= \mathbf{PI}(2, 5, 3, 5, 5, 1) = L_{2813} = \begin{bmatrix} 1064 \\ 0174 \end{bmatrix} \\
3579 &= \mathbf{PI}(3, 6, 3, 5, 5, 1) = L_{2069} = \begin{bmatrix} 1043 \\ 0113 \end{bmatrix} \\
3580 &= \mathbf{PI}(1, 7, 3, 5, 5, 1) = L_{3036} = \begin{bmatrix} 1015 \\ 0135 \end{bmatrix} \\
3581 &= \mathbf{PI}(6, 1, 4, 5, 5, 1) = L_{4295} = \begin{bmatrix} 1027 \\ 0157 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3582 &= \mathbf{PI}(3, 2, 4, 5, 5, 1) = L_{2075} = \begin{bmatrix} 1043 \\ 0173 \end{bmatrix} \\
3583 &= \mathbf{PI}(2, 3, 4, 5, 5, 1) = L_{2808} = \begin{bmatrix} 1064 \\ 0124 \end{bmatrix} \\
3584 &= \mathbf{PI}(7, 4, 4, 5, 5, 1) = L_{3920} = \begin{bmatrix} 1056 \\ 0136 \end{bmatrix} \\
3585 &= \mathbf{PI}(5, 5, 4, 5, 5, 1) = L_{1109} = \begin{bmatrix} 1071 \\ 0161 \end{bmatrix} \\
3586 &= \mathbf{PI}(1, 6, 4, 5, 5, 1) = L_{3037} = \begin{bmatrix} 1015 \\ 0145 \end{bmatrix} \\
3587 &= \mathbf{PI}(4, 7, 4, 5, 5, 1) = L_{1404} = \begin{bmatrix} 1032 \\ 0112 \end{bmatrix} \\
3588 &= \mathbf{PI}(3, 1, 5, 5, 5, 1) = L_{2071} = \begin{bmatrix} 1043 \\ 0133 \end{bmatrix} \\
3589 &= \mathbf{PI}(7, 2, 5, 5, 5, 1) = L_{3923} = \begin{bmatrix} 1056 \\ 0166 \end{bmatrix} \\
3590 &= \mathbf{PI}(1, 3, 5, 5, 5, 1) = L_{3038} = \begin{bmatrix} 1015 \\ 0155 \end{bmatrix} \\
3591 &= \mathbf{PI}(5, 4, 5, 5, 5, 1) = L_{1104} = \begin{bmatrix} 1071 \\ 0111 \end{bmatrix} \\
3592 &= \mathbf{PI}(4, 5, 5, 5, 5, 1) = L_{1405} = \begin{bmatrix} 1032 \\ 0122 \end{bmatrix} \\
3593 &= \mathbf{PI}(6, 6, 5, 5, 5, 1) = L_{4297} = \begin{bmatrix} 1027 \\ 0177 \end{bmatrix} \\
3594 &= \mathbf{PI}(2, 7, 5, 5, 5, 1) = L_{2810} = \begin{bmatrix} 1064 \\ 0144 \end{bmatrix} \\
3595 &= \mathbf{PI}(1, 1, 6, 5, 5, 1) = L_{3039} = \begin{bmatrix} 1015 \\ 0165 \end{bmatrix} \\
3596 &= \mathbf{PI}(6, 2, 6, 5, 5, 1) = L_{4291} = \begin{bmatrix} 1027 \\ 0117 \end{bmatrix} \\
3597 &= \mathbf{PI}(4, 3, 6, 5, 5, 1) = L_{1410} = \begin{bmatrix} 1032 \\ 0172 \end{bmatrix} \\
3598 &= \mathbf{PI}(3, 4, 6, 5, 5, 1) = L_{2070} = \begin{bmatrix} 1043 \\ 0123 \end{bmatrix} \\
3599 &= \mathbf{PI}(7, 5, 6, 5, 5, 1) = L_{3921} = \begin{bmatrix} 1056 \\ 0146 \end{bmatrix} \\
3600 &= \mathbf{PI}(2, 6, 6, 5, 5, 1) = L_{2809} = \begin{bmatrix} 1064 \\ 0134 \end{bmatrix} \\
3601 &= \mathbf{PI}(5, 7, 6, 5, 5, 1) = L_{1108} = \begin{bmatrix} 1071 \\ 0151 \end{bmatrix} \\
3602 &= \mathbf{PI}(4, 1, 7, 5, 5, 1) = L_{1407} = \begin{bmatrix} 1032 \\ 0142 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3603 &= \mathbf{PI}(2, 2, 7, 5, 5, 1) = L_{2811} = \begin{bmatrix} 1064 \\ 0154 \end{bmatrix} \\
3604 &= \mathbf{PI}(7, 3, 7, 5, 5, 1) = L_{3918} = \begin{bmatrix} 1056 \\ 0116 \end{bmatrix} \\
3605 &= \mathbf{PI}(1, 4, 7, 5, 5, 1) = L_{3040} = \begin{bmatrix} 1015 \\ 0175 \end{bmatrix} \\
3606 &= \mathbf{PI}(6, 5, 7, 5, 5, 1) = L_{4293} = \begin{bmatrix} 1027 \\ 0137 \end{bmatrix} \\
3607 &= \mathbf{PI}(5, 6, 7, 5, 5, 1) = L_{1105} = \begin{bmatrix} 1071 \\ 0121 \end{bmatrix} \\
3608 &= \mathbf{PI}(3, 7, 7, 5, 5, 1) = L_{2074} = \begin{bmatrix} 1043 \\ 0163 \end{bmatrix} \\
3609 &= \mathbf{PI}(5, 1, 0, 6, 5, 1) = L_{3439} = \begin{bmatrix} 1075 \\ 0101 \end{bmatrix} \\
3610 &= \mathbf{PI}(4, 2, 0, 6, 5, 1) = L_{4323} = \begin{bmatrix} 1037 \\ 0102 \end{bmatrix} \\
3611 &= \mathbf{PI}(3, 3, 0, 6, 5, 1) = L_{1484} = \begin{bmatrix} 1042 \\ 0103 \end{bmatrix} \\
3612 &= \mathbf{PI}(2, 4, 0, 6, 5, 1) = L_{2222} = \begin{bmatrix} 1063 \\ 0104 \end{bmatrix} \\
3613 &= \mathbf{PI}(1, 5, 0, 6, 5, 1) = L_{3617} = \begin{bmatrix} 1016 \\ 0105 \end{bmatrix} \\
3614 &= \mathbf{PI}(7, 6, 0, 6, 5, 1) = L_{2749} = \begin{bmatrix} 1054 \\ 0106 \end{bmatrix} \\
3615 &= \mathbf{PI}(6, 7, 0, 6, 5, 1) = L_{786} = \begin{bmatrix} 1021 \\ 0107 \end{bmatrix} \\
3616 &= \mathbf{PI}(3, 1, 1, 6, 5, 1) = L_{1488} = \begin{bmatrix} 1042 \\ 0143 \end{bmatrix} \\
3617 &= \mathbf{PI}(7, 2, 1, 6, 5, 1) = L_{2754} = \begin{bmatrix} 1054 \\ 0156 \end{bmatrix} \\
3618 &= \mathbf{PI}(1, 3, 1, 6, 5, 1) = L_{3618} = \begin{bmatrix} 1016 \\ 0115 \end{bmatrix} \\
3619 &= \mathbf{PI}(5, 4, 1, 6, 5, 1) = L_{3446} = \begin{bmatrix} 1075 \\ 0171 \end{bmatrix} \\
3620 &= \mathbf{PI}(4, 5, 1, 6, 5, 1) = L_{4326} = \begin{bmatrix} 1037 \\ 0132 \end{bmatrix} \\
3621 &= \mathbf{PI}(6, 6, 1, 6, 5, 1) = L_{788} = \begin{bmatrix} 1021 \\ 0127 \end{bmatrix} \\
3622 &= \mathbf{PI}(2, 7, 1, 6, 5, 1) = L_{2228} = \begin{bmatrix} 1063 \\ 0164 \end{bmatrix} \\
3623 &= \mathbf{PI}(4, 1, 2, 6, 5, 1) = L_{4329} = \begin{bmatrix} 1037 \\ 0162 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3624 &= \mathbf{PI}(2, 2, 2, 6, 5, 1) = L_{2223} = \begin{bmatrix} 1063 \\ 0114 \end{bmatrix} \\
3625 &= \mathbf{PI}(7, 3, 2, 6, 5, 1) = L_{2756} = \begin{bmatrix} 1054 \\ 0176 \end{bmatrix} \\
3626 &= \mathbf{PI}(1, 4, 2, 6, 5, 1) = L_{3619} = \begin{bmatrix} 1016 \\ 0125 \end{bmatrix} \\
3627 &= \mathbf{PI}(6, 5, 2, 6, 5, 1) = L_{790} = \begin{bmatrix} 1021 \\ 0147 \end{bmatrix} \\
3628 &= \mathbf{PI}(5, 6, 2, 6, 5, 1) = L_{3442} = \begin{bmatrix} 1075 \\ 0131 \end{bmatrix} \\
3629 &= \mathbf{PI}(3, 7, 2, 6, 5, 1) = L_{1489} = \begin{bmatrix} 1042 \\ 0153 \end{bmatrix} \\
3630 &= \mathbf{PI}(2, 1, 3, 6, 5, 1) = L_{2229} = \begin{bmatrix} 1063 \\ 0174 \end{bmatrix} \\
3631 &= \mathbf{PI}(1, 2, 3, 6, 5, 1) = L_{3620} = \begin{bmatrix} 1016 \\ 0135 \end{bmatrix} \\
3632 &= \mathbf{PI}(5, 3, 3, 6, 5, 1) = L_{3443} = \begin{bmatrix} 1075 \\ 0141 \end{bmatrix} \\
3633 &= \mathbf{PI}(6, 4, 3, 6, 5, 1) = L_{792} = \begin{bmatrix} 1021 \\ 0167 \end{bmatrix} \\
3634 &= \mathbf{PI}(3, 5, 3, 6, 5, 1) = L_{1485} = \begin{bmatrix} 1042 \\ 0113 \end{bmatrix} \\
3635 &= \mathbf{PI}(4, 6, 3, 6, 5, 1) = L_{4328} = \begin{bmatrix} 1037 \\ 0152 \end{bmatrix} \\
3636 &= \mathbf{PI}(7, 7, 3, 6, 5, 1) = L_{2751} = \begin{bmatrix} 1054 \\ 0126 \end{bmatrix} \\
3637 &= \mathbf{PI}(7, 1, 4, 6, 5, 1) = L_{2752} = \begin{bmatrix} 1054 \\ 0136 \end{bmatrix} \\
3638 &= \mathbf{PI}(5, 2, 4, 6, 5, 1) = L_{3445} = \begin{bmatrix} 1075 \\ 0161 \end{bmatrix} \\
3639 &= \mathbf{PI}(6, 3, 4, 6, 5, 1) = L_{791} = \begin{bmatrix} 1021 \\ 0157 \end{bmatrix} \\
3640 &= \mathbf{PI}(4, 4, 4, 6, 5, 1) = L_{4324} = \begin{bmatrix} 1037 \\ 0112 \end{bmatrix} \\
3641 &= \mathbf{PI}(2, 5, 4, 6, 5, 1) = L_{2224} = \begin{bmatrix} 1063 \\ 0124 \end{bmatrix} \\
3642 &= \mathbf{PI}(3, 6, 4, 6, 5, 1) = L_{1491} = \begin{bmatrix} 1042 \\ 0173 \end{bmatrix} \\
3643 &= \mathbf{PI}(1, 7, 4, 6, 5, 1) = L_{3621} = \begin{bmatrix} 1016 \\ 0145 \end{bmatrix} \\
3644 &= \mathbf{PI}(1, 1, 5, 6, 5, 1) = L_{3622} = \begin{bmatrix} 1016 \\ 0155 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3645 &= \mathbf{PI}(6, 2, 5, 6, 5, 1) = L_{793} = \begin{bmatrix} 1021 \\ 0177 \end{bmatrix} \\
3646 &= \mathbf{PI}(4, 3, 5, 6, 5, 1) = L_{4325} = \begin{bmatrix} 1037 \\ 0122 \end{bmatrix} \\
3647 &= \mathbf{PI}(3, 4, 5, 6, 5, 1) = L_{1487} = \begin{bmatrix} 1042 \\ 0133 \end{bmatrix} \\
3648 &= \mathbf{PI}(7, 5, 5, 6, 5, 1) = L_{2755} = \begin{bmatrix} 1054 \\ 0166 \end{bmatrix} \\
3649 &= \mathbf{PI}(2, 6, 5, 6, 5, 1) = L_{2226} = \begin{bmatrix} 1063 \\ 0144 \end{bmatrix} \\
3650 &= \mathbf{PI}(5, 7, 5, 6, 5, 1) = L_{3440} = \begin{bmatrix} 1075 \\ 0111 \end{bmatrix} \\
3651 &= \mathbf{PI}(6, 1, 6, 6, 5, 1) = L_{787} = \begin{bmatrix} 1021 \\ 0117 \end{bmatrix} \\
3652 &= \mathbf{PI}(3, 2, 6, 6, 5, 1) = L_{1486} = \begin{bmatrix} 1042 \\ 0123 \end{bmatrix} \\
3653 &= \mathbf{PI}(2, 3, 6, 6, 5, 1) = L_{2225} = \begin{bmatrix} 1063 \\ 0134 \end{bmatrix} \\
3654 &= \mathbf{PI}(7, 4, 6, 6, 5, 1) = L_{2753} = \begin{bmatrix} 1054 \\ 0146 \end{bmatrix} \\
3655 &= \mathbf{PI}(5, 5, 6, 6, 5, 1) = L_{3444} = \begin{bmatrix} 1075 \\ 0151 \end{bmatrix} \\
3656 &= \mathbf{PI}(1, 6, 6, 6, 5, 1) = L_{3623} = \begin{bmatrix} 1016 \\ 0165 \end{bmatrix} \\
3657 &= \mathbf{PI}(4, 7, 6, 6, 5, 1) = L_{4330} = \begin{bmatrix} 1037 \\ 0172 \end{bmatrix} \\
3658 &= \mathbf{PI}(0, 0, 7, 6, 5, 1) = L_{435} = \begin{bmatrix} 1500 \\ 0016 \end{bmatrix} \\
3659 &= \mathbf{PI}(1, 0, 7, 6, 5, 1) = L_{3624} = \begin{bmatrix} 1016 \\ 0175 \end{bmatrix} \\
3660 &= \mathbf{PI}(2, 0, 7, 6, 5, 1) = L_{2227} = \begin{bmatrix} 1063 \\ 0154 \end{bmatrix} \\
3661 &= \mathbf{PI}(3, 0, 7, 6, 5, 1) = L_{1490} = \begin{bmatrix} 1042 \\ 0163 \end{bmatrix} \\
3662 &= \mathbf{PI}(4, 0, 7, 6, 5, 1) = L_{4327} = \begin{bmatrix} 1037 \\ 0142 \end{bmatrix} \\
3663 &= \mathbf{PI}(5, 0, 7, 6, 5, 1) = L_{3441} = \begin{bmatrix} 1075 \\ 0121 \end{bmatrix} \\
3664 &= \mathbf{PI}(6, 0, 7, 6, 5, 1) = L_{789} = \begin{bmatrix} 1021 \\ 0137 \end{bmatrix} \\
3665 &= \mathbf{PI}(7, 0, 7, 6, 5, 1) = L_{2750} = \begin{bmatrix} 1054 \\ 0116 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3666 &= \mathbf{PI}(0, 1, 7, 6, 5, 1) = L_{3355} = \begin{bmatrix} 1505 \\ 0016 \end{bmatrix} \\
3667 &= \mathbf{PI}(0, 2, 7, 6, 5, 1) = L_{4523} = \begin{bmatrix} 1507 \\ 0016 \end{bmatrix} \\
3668 &= \mathbf{PI}(0, 3, 7, 6, 5, 1) = L_{1603} = \begin{bmatrix} 1502 \\ 0016 \end{bmatrix} \\
3669 &= \mathbf{PI}(0, 4, 7, 6, 5, 1) = L_{2187} = \begin{bmatrix} 1503 \\ 0016 \end{bmatrix} \\
3670 &= \mathbf{PI}(0, 5, 7, 6, 5, 1) = L_{3939} = \begin{bmatrix} 1506 \\ 0016 \end{bmatrix} \\
3671 &= \mathbf{PI}(0, 6, 7, 6, 5, 1) = L_{2771} = \begin{bmatrix} 1504 \\ 0016 \end{bmatrix} \\
3672 &= \mathbf{PI}(0, 7, 7, 6, 5, 1) = L_{1019} = \begin{bmatrix} 1501 \\ 0016 \end{bmatrix} \\
3673 &= \mathbf{PI}(5, 1, 0, 7, 5, 1) = L_{1687} = \begin{bmatrix} 1072 \\ 0101 \end{bmatrix} \\
3674 &= \mathbf{PI}(4, 2, 0, 7, 5, 1) = L_{2571} = \begin{bmatrix} 1034 \\ 0102 \end{bmatrix} \\
3675 &= \mathbf{PI}(3, 3, 0, 7, 5, 1) = L_{3820} = \begin{bmatrix} 1046 \\ 0103 \end{bmatrix} \\
3676 &= \mathbf{PI}(2, 4, 0, 7, 5, 1) = L_{3390} = \begin{bmatrix} 1065 \\ 0104 \end{bmatrix} \\
3677 &= \mathbf{PI}(1, 5, 0, 7, 5, 1) = L_{4201} = \begin{bmatrix} 1017 \\ 0105 \end{bmatrix} \\
3678 &= \mathbf{PI}(7, 6, 0, 7, 5, 1) = L_{997} = \begin{bmatrix} 1051 \\ 0106 \end{bmatrix} \\
3679 &= \mathbf{PI}(6, 7, 0, 7, 5, 1) = L_{1954} = \begin{bmatrix} 1023 \\ 0107 \end{bmatrix} \\
3680 &= \mathbf{PI}(2, 1, 1, 7, 5, 1) = L_{3396} = \begin{bmatrix} 1065 \\ 0164 \end{bmatrix} \\
3681 &= \mathbf{PI}(1, 2, 1, 7, 5, 1) = L_{4202} = \begin{bmatrix} 1017 \\ 0115 \end{bmatrix} \\
3682 &= \mathbf{PI}(5, 3, 1, 7, 5, 1) = L_{1694} = \begin{bmatrix} 1072 \\ 0171 \end{bmatrix} \\
3683 &= \mathbf{PI}(6, 4, 1, 7, 5, 1) = L_{1956} = \begin{bmatrix} 1023 \\ 0127 \end{bmatrix} \\
3684 &= \mathbf{PI}(3, 5, 1, 7, 5, 1) = L_{3824} = \begin{bmatrix} 1046 \\ 0143 \end{bmatrix} \\
3685 &= \mathbf{PI}(4, 6, 1, 7, 5, 1) = L_{2574} = \begin{bmatrix} 1034 \\ 0132 \end{bmatrix} \\
3686 &= \mathbf{PI}(7, 7, 1, 7, 5, 1) = L_{1002} = \begin{bmatrix} 1051 \\ 0156 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3687 &= \mathbf{PI}(6, 1, 2, 7, 5, 1) = L_{1958} = \begin{bmatrix} 1023 \\ 0147 \end{bmatrix} \\
3688 &= \mathbf{PI}(3, 2, 2, 7, 5, 1) = L_{3825} = \begin{bmatrix} 1046 \\ 0153 \end{bmatrix} \\
3689 &= \mathbf{PI}(2, 3, 2, 7, 5, 1) = L_{3391} = \begin{bmatrix} 1065 \\ 0114 \end{bmatrix} \\
3690 &= \mathbf{PI}(7, 4, 2, 7, 5, 1) = L_{1004} = \begin{bmatrix} 1051 \\ 0176 \end{bmatrix} \\
3691 &= \mathbf{PI}(5, 5, 2, 7, 5, 1) = L_{1690} = \begin{bmatrix} 1072 \\ 0131 \end{bmatrix} \\
3692 &= \mathbf{PI}(1, 6, 2, 7, 5, 1) = L_{4203} = \begin{bmatrix} 1017 \\ 0125 \end{bmatrix} \\
3693 &= \mathbf{PI}(4, 7, 2, 7, 5, 1) = L_{2577} = \begin{bmatrix} 1034 \\ 0162 \end{bmatrix} \\
3694 &= \mathbf{PI}(1, 1, 3, 7, 5, 1) = L_{4204} = \begin{bmatrix} 1017 \\ 0135 \end{bmatrix} \\
3695 &= \mathbf{PI}(6, 2, 3, 7, 5, 1) = L_{1960} = \begin{bmatrix} 1023 \\ 0167 \end{bmatrix} \\
3696 &= \mathbf{PI}(4, 3, 3, 7, 5, 1) = L_{2576} = \begin{bmatrix} 1034 \\ 0152 \end{bmatrix} \\
3697 &= \mathbf{PI}(3, 4, 3, 7, 5, 1) = L_{3821} = \begin{bmatrix} 1046 \\ 0113 \end{bmatrix} \\
3698 &= \mathbf{PI}(7, 5, 3, 7, 5, 1) = L_{999} = \begin{bmatrix} 1051 \\ 0126 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
3699 &= \mathbf{PI}(2, 6, 3, 7, 5, 1) = L_{3397} = \begin{bmatrix} 1065 \\ 0174 \end{bmatrix} \\
3700 &= \mathbf{PI}(5, 7, 3, 7, 5, 1) = L_{1691} = \begin{bmatrix} 1072 \\ 0141 \end{bmatrix} \\
3701 &= \mathbf{PI}(3, 1, 4, 7, 5, 1) = L_{3827} = \begin{bmatrix} 1046 \\ 0173 \end{bmatrix} \\
3702 &= \mathbf{PI}(7, 2, 4, 7, 5, 1) = L_{1000} = \begin{bmatrix} 1051 \\ 0136 \end{bmatrix} \\
3703 &= \mathbf{PI}(1, 3, 4, 7, 5, 1) = L_{4205} = \begin{bmatrix} 1017 \\ 0145 \end{bmatrix} \\
3704 &= \mathbf{PI}(5, 4, 4, 7, 5, 1) = L_{1693} = \begin{bmatrix} 1072 \\ 0161 \end{bmatrix} \\
3705 &= \mathbf{PI}(4, 5, 4, 7, 5, 1) = L_{2572} = \begin{bmatrix} 1034 \\ 0112 \end{bmatrix} \\
3706 &= \mathbf{PI}(6, 6, 4, 7, 5, 1) = L_{1959} = \begin{bmatrix} 1023 \\ 0157 \end{bmatrix} \\
3707 &= \mathbf{PI}(2, 7, 4, 7, 5, 1) = L_{3392} = \begin{bmatrix} 1065 \\ 0124 \end{bmatrix} \\
3708 &= \mathbf{PI}(4, 1, 5, 7, 5, 1) = L_{2573} = \begin{bmatrix} 1034 \\ 0122 \end{bmatrix} \\
3709 &= \mathbf{PI}(2, 2, 5, 7, 5, 1) = L_{3394} = \begin{bmatrix} 1065 \\ 0144 \end{bmatrix} \\
3710 &= \mathbf{PI}(7, 3, 5, 7, 5, 1) = L_{1003} = \begin{bmatrix} 1051 \\ 0166 \end{bmatrix} \\
3711 &= \mathbf{PI}(1, 4, 5, 7, 5, 1) = L_{4206} = \begin{bmatrix} 1017 \\ 0155 \end{bmatrix} \\
3712 &= \mathbf{PI}(6, 5, 5, 7, 5, 1) = L_{1961} = \begin{bmatrix} 1023 \\ 0177 \end{bmatrix} \\
3713 &= \mathbf{PI}(5, 6, 5, 7, 5, 1) = L_{1688} = \begin{bmatrix} 1072 \\ 0111 \end{bmatrix} \\
3714 &= \mathbf{PI}(3, 7, 5, 7, 5, 1) = L_{3823} = \begin{bmatrix} 1046 \\ 0133 \end{bmatrix} \\
3715 &= \mathbf{PI}(0, 0, 6, 7, 5, 1) = L_{217} = \begin{bmatrix} 1200 \\ 0017 \end{bmatrix} \\
3716 &= \mathbf{PI}(1, 0, 6, 7, 5, 1) = L_{4207} = \begin{bmatrix} 1017 \\ 0165 \end{bmatrix} \\
3717 &= \mathbf{PI}(2, 0, 6, 7, 5, 1) = L_{3393} = \begin{bmatrix} 1065 \\ 0134 \end{bmatrix} \\
3718 &= \mathbf{PI}(3, 0, 6, 7, 5, 1) = L_{3822} = \begin{bmatrix} 1046 \\ 0123 \end{bmatrix} \\
3719 &= \mathbf{PI}(4, 0, 6, 7, 5, 1) = L_{2578} = \begin{bmatrix} 1034 \\ 0172 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3720 &= \mathbf{PI}(5, 0, 6, 7, 5, 1) = L_{1692} = \begin{bmatrix} 1072 \\ 0151 \end{bmatrix} \\
3721 &= \mathbf{PI}(6, 0, 6, 7, 5, 1) = L_{1955} = \begin{bmatrix} 1023 \\ 0117 \end{bmatrix} \\
3722 &= \mathbf{PI}(7, 0, 6, 7, 5, 1) = L_{1001} = \begin{bmatrix} 1051 \\ 0146 \end{bmatrix} \\
3723 &= \mathbf{PI}(0, 1, 6, 7, 5, 1) = L_{1385} = \begin{bmatrix} 1202 \\ 0017 \end{bmatrix} \\
3724 &= \mathbf{PI}(0, 2, 6, 7, 5, 1) = L_{2553} = \begin{bmatrix} 1204 \\ 0017 \end{bmatrix} \\
3725 &= \mathbf{PI}(0, 3, 6, 7, 5, 1) = L_{3721} = \begin{bmatrix} 1206 \\ 0017 \end{bmatrix} \\
3726 &= \mathbf{PI}(0, 4, 6, 7, 5, 1) = L_{3137} = \begin{bmatrix} 1205 \\ 0017 \end{bmatrix} \\
3727 &= \mathbf{PI}(0, 5, 6, 7, 5, 1) = L_{4305} = \begin{bmatrix} 1207 \\ 0017 \end{bmatrix} \\
3728 &= \mathbf{PI}(0, 6, 6, 7, 5, 1) = L_{801} = \begin{bmatrix} 1201 \\ 0017 \end{bmatrix} \\
3729 &= \mathbf{PI}(0, 7, 6, 7, 5, 1) = L_{1969} = \begin{bmatrix} 1203 \\ 0017 \end{bmatrix} \\
3730 &= \mathbf{PI}(7, 1, 7, 7, 5, 1) = L_{998} = \begin{bmatrix} 1051 \\ 0116 \end{bmatrix} \\
3731 &= \mathbf{PI}(5, 2, 7, 7, 5, 1) = L_{1689} = \begin{bmatrix} 1072 \\ 0121 \end{bmatrix} \\
3732 &= \mathbf{PI}(6, 3, 7, 7, 5, 1) = L_{1957} = \begin{bmatrix} 1023 \\ 0137 \end{bmatrix} \\
3733 &= \mathbf{PI}(4, 4, 7, 7, 5, 1) = L_{2575} = \begin{bmatrix} 1034 \\ 0142 \end{bmatrix} \\
3734 &= \mathbf{PI}(2, 5, 7, 7, 5, 1) = L_{3395} = \begin{bmatrix} 1065 \\ 0154 \end{bmatrix} \\
3735 &= \mathbf{PI}(3, 6, 7, 7, 5, 1) = L_{3826} = \begin{bmatrix} 1046 \\ 0163 \end{bmatrix} \\
3736 &= \mathbf{PI}(1, 7, 7, 7, 5, 1) = L_{4208} = \begin{bmatrix} 1017 \\ 0175 \end{bmatrix} \\
3737 &= \mathbf{PI}(6, 1, 0, 0, 6, 1) = L_{154} = \begin{bmatrix} 1020 \\ 0101 \end{bmatrix} \\
3738 &= \mathbf{PI}(3, 2, 0, 0, 6, 1) = L_{308} = \begin{bmatrix} 1040 \\ 0102 \end{bmatrix} \\
3739 &= \mathbf{PI}(2, 3, 0, 0, 6, 1) = L_{462} = \begin{bmatrix} 1060 \\ 0103 \end{bmatrix} \\
3740 &= \mathbf{PI}(7, 4, 0, 0, 6, 1) = L_{397} = \begin{bmatrix} 1050 \\ 0104 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3741 &= \mathbf{PI}(5, 5, 0, 0, 6, 1) = L_{551} = \begin{bmatrix} 1070 \\ 0105 \end{bmatrix} \\
3742 &= \mathbf{PI}(1, 6, 0, 0, 6, 1) = L_{121} = \begin{bmatrix} 1010 \\ 0106 \end{bmatrix} \\
3743 &= \mathbf{PI}(4, 7, 0, 0, 6, 1) = L_{275} = \begin{bmatrix} 1030 \\ 0107 \end{bmatrix} \\
3744 &= \mathbf{PI}(6, 1, 1, 0, 6, 1) = L_{156} = \begin{bmatrix} 1020 \\ 0121 \end{bmatrix} \\
3745 &= \mathbf{PI}(3, 2, 1, 0, 6, 1) = L_{312} = \begin{bmatrix} 1040 \\ 0142 \end{bmatrix} \\
3746 &= \mathbf{PI}(2, 3, 1, 0, 6, 1) = L_{468} = \begin{bmatrix} 1060 \\ 0163 \end{bmatrix} \\
3747 &= \mathbf{PI}(7, 4, 1, 0, 6, 1) = L_{402} = \begin{bmatrix} 1050 \\ 0154 \end{bmatrix} \\
3748 &= \mathbf{PI}(5, 5, 1, 0, 6, 1) = L_{558} = \begin{bmatrix} 1070 \\ 0175 \end{bmatrix} \\
3749 &= \mathbf{PI}(1, 6, 1, 0, 6, 1) = L_{122} = \begin{bmatrix} 1010 \\ 0116 \end{bmatrix} \\
3750 &= \mathbf{PI}(4, 7, 1, 0, 6, 1) = L_{278} = \begin{bmatrix} 1030 \\ 0137 \end{bmatrix} \\
3751 &= \mathbf{PI}(6, 1, 2, 0, 6, 1) = L_{158} = \begin{bmatrix} 1020 \\ 0141 \end{bmatrix} \\
3752 &= \mathbf{PI}(3, 2, 2, 0, 6, 1) = L_{313} = \begin{bmatrix} 1040 \\ 0152 \end{bmatrix} \\
3753 &= \mathbf{PI}(2, 3, 2, 0, 6, 1) = L_{463} = \begin{bmatrix} 1060 \\ 0113 \end{bmatrix} \\
3754 &= \mathbf{PI}(7, 4, 2, 0, 6, 1) = L_{404} = \begin{bmatrix} 1050 \\ 0174 \end{bmatrix} \\
3755 &= \mathbf{PI}(5, 5, 2, 0, 6, 1) = L_{554} = \begin{bmatrix} 1070 \\ 0135 \end{bmatrix} \\
3756 &= \mathbf{PI}(1, 6, 2, 0, 6, 1) = L_{123} = \begin{bmatrix} 1010 \\ 0126 \end{bmatrix} \\
3757 &= \mathbf{PI}(4, 7, 2, 0, 6, 1) = L_{281} = \begin{bmatrix} 1030 \\ 0167 \end{bmatrix} \\
3758 &= \mathbf{PI}(6, 1, 3, 0, 6, 1) = L_{160} = \begin{bmatrix} 1020 \\ 0161 \end{bmatrix} \\
3759 &= \mathbf{PI}(3, 2, 3, 0, 6, 1) = L_{309} = \begin{bmatrix} 1040 \\ 0112 \end{bmatrix} \\
3760 &= \mathbf{PI}(2, 3, 3, 0, 6, 1) = L_{469} = \begin{bmatrix} 1060 \\ 0173 \end{bmatrix} \\
3761 &= \mathbf{PI}(7, 4, 3, 0, 6, 1) = L_{399} = \begin{bmatrix} 1050 \\ 0124 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3762 &= \mathbf{PI}(5, 5, 3, 0, 6, 1) = L_{555} = \begin{bmatrix} 1070 \\ 0145 \end{bmatrix} \\
3763 &= \mathbf{PI}(1, 6, 3, 0, 6, 1) = L_{124} = \begin{bmatrix} 1010 \\ 0136 \end{bmatrix} \\
3764 &= \mathbf{PI}(4, 7, 3, 0, 6, 1) = L_{280} = \begin{bmatrix} 1030 \\ 0157 \end{bmatrix} \\
3765 &= \mathbf{PI}(6, 1, 4, 0, 6, 1) = L_{159} = \begin{bmatrix} 1020 \\ 0151 \end{bmatrix} \\
3766 &= \mathbf{PI}(3, 2, 4, 0, 6, 1) = L_{315} = \begin{bmatrix} 1040 \\ 0172 \end{bmatrix} \\
3767 &= \mathbf{PI}(2, 3, 4, 0, 6, 1) = L_{464} = \begin{bmatrix} 1060 \\ 0123 \end{bmatrix} \\
3768 &= \mathbf{PI}(7, 4, 4, 0, 6, 1) = L_{400} = \begin{bmatrix} 1050 \\ 0134 \end{bmatrix} \\
3769 &= \mathbf{PI}(5, 5, 4, 0, 6, 1) = L_{557} = \begin{bmatrix} 1070 \\ 0165 \end{bmatrix} \\
3770 &= \mathbf{PI}(1, 6, 4, 0, 6, 1) = L_{125} = \begin{bmatrix} 1010 \\ 0146 \end{bmatrix} \\
3771 &= \mathbf{PI}(4, 7, 4, 0, 6, 1) = L_{276} = \begin{bmatrix} 1030 \\ 0117 \end{bmatrix} \\
3772 &= \mathbf{PI}(6, 1, 5, 0, 6, 1) = L_{161} = \begin{bmatrix} 1020 \\ 0171 \end{bmatrix} \\
3773 &= \mathbf{PI}(3, 2, 5, 0, 6, 1) = L_{311} = \begin{bmatrix} 1040 \\ 0132 \end{bmatrix} \\
3774 &= \mathbf{PI}(2, 3, 5, 0, 6, 1) = L_{466} = \begin{bmatrix} 1060 \\ 0143 \end{bmatrix} \\
3775 &= \mathbf{PI}(7, 4, 5, 0, 6, 1) = L_{403} = \begin{bmatrix} 1050 \\ 0164 \end{bmatrix} \\
3776 &= \mathbf{PI}(5, 5, 5, 0, 6, 1) = L_{552} = \begin{bmatrix} 1070 \\ 0115 \end{bmatrix} \\
3777 &= \mathbf{PI}(1, 6, 5, 0, 6, 1) = L_{126} = \begin{bmatrix} 1010 \\ 0156 \end{bmatrix} \\
3778 &= \mathbf{PI}(4, 7, 5, 0, 6, 1) = L_{277} = \begin{bmatrix} 1030 \\ 0127 \end{bmatrix} \\
3779 &= \mathbf{PI}(6, 1, 6, 0, 6, 1) = L_{155} = \begin{bmatrix} 1020 \\ 0111 \end{bmatrix} \\
3780 &= \mathbf{PI}(3, 2, 6, 0, 6, 1) = L_{310} = \begin{bmatrix} 1040 \\ 0122 \end{bmatrix} \\
3781 &= \mathbf{PI}(2, 3, 6, 0, 6, 1) = L_{465} = \begin{bmatrix} 1060 \\ 0133 \end{bmatrix} \\
3782 &= \mathbf{PI}(7, 4, 6, 0, 6, 1) = L_{401} = \begin{bmatrix} 1050 \\ 0144 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3783 &= \mathbf{PI}(5, 5, 6, 0, 6, 1) = L_{556} = \begin{bmatrix} 1070 \\ 0155 \end{bmatrix} \\
3784 &= \mathbf{PI}(1, 6, 6, 0, 6, 1) = L_{127} = \begin{bmatrix} 1010 \\ 0166 \end{bmatrix} \\
3785 &= \mathbf{PI}(4, 7, 6, 0, 6, 1) = L_{282} = \begin{bmatrix} 1030 \\ 0177 \end{bmatrix} \\
3786 &= \mathbf{PI}(6, 1, 7, 0, 6, 1) = L_{157} = \begin{bmatrix} 1020 \\ 0131 \end{bmatrix} \\
3787 &= \mathbf{PI}(3, 2, 7, 0, 6, 1) = L_{314} = \begin{bmatrix} 1040 \\ 0162 \end{bmatrix} \\
3788 &= \mathbf{PI}(2, 3, 7, 0, 6, 1) = L_{467} = \begin{bmatrix} 1060 \\ 0153 \end{bmatrix} \\
3789 &= \mathbf{PI}(7, 4, 7, 0, 6, 1) = L_{398} = \begin{bmatrix} 1050 \\ 0114 \end{bmatrix} \\
3790 &= \mathbf{PI}(5, 5, 7, 0, 6, 1) = L_{553} = \begin{bmatrix} 1070 \\ 0125 \end{bmatrix} \\
3791 &= \mathbf{PI}(1, 6, 7, 0, 6, 1) = L_{128} = \begin{bmatrix} 1010 \\ 0176 \end{bmatrix} \\
3792 &= \mathbf{PI}(4, 7, 7, 0, 6, 1) = L_{279} = \begin{bmatrix} 1030 \\ 0147 \end{bmatrix} \\
3793 &= \mathbf{PI}(6, 1, 0, 1, 6, 1) = L_{1322} = \begin{bmatrix} 1022 \\ 0101 \end{bmatrix} \\
3794 &= \mathbf{PI}(3, 2, 0, 1, 6, 1) = L_{2644} = \begin{bmatrix} 1044 \\ 0102 \end{bmatrix} \\
3795 &= \mathbf{PI}(2, 3, 0, 1, 6, 1) = L_{3966} = \begin{bmatrix} 1066 \\ 0103 \end{bmatrix} \\
3796 &= \mathbf{PI}(7, 4, 0, 1, 6, 1) = L_{3317} = \begin{bmatrix} 1055 \\ 0104 \end{bmatrix} \\
3797 &= \mathbf{PI}(5, 5, 0, 1, 6, 1) = L_{4639} = \begin{bmatrix} 1077 \\ 0105 \end{bmatrix} \\
3798 &= \mathbf{PI}(1, 6, 0, 1, 6, 1) = L_{705} = \begin{bmatrix} 1011 \\ 0106 \end{bmatrix} \\
3799 &= \mathbf{PI}(4, 7, 0, 1, 6, 1) = L_{2027} = \begin{bmatrix} 1033 \\ 0107 \end{bmatrix} \\
3800 &= \mathbf{PI}(7, 1, 1, 1, 6, 1) = L_{3322} = \begin{bmatrix} 1055 \\ 0154 \end{bmatrix} \\
3801 &= \mathbf{PI}(5, 2, 1, 1, 6, 1) = L_{4646} = \begin{bmatrix} 1077 \\ 0175 \end{bmatrix} \\
3802 &= \mathbf{PI}(6, 3, 1, 1, 6, 1) = L_{1324} = \begin{bmatrix} 1022 \\ 0121 \end{bmatrix} \\
3803 &= \mathbf{PI}(4, 4, 1, 1, 6, 1) = L_{2030} = \begin{bmatrix} 1033 \\ 0137 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3804 &= \mathbf{PI}(2, 5, 1, 1, 6, 1) = L_{3972} = \begin{bmatrix} 1066 \\ 0163 \end{bmatrix} \\
3805 &= \mathbf{PI}(3, 6, 1, 1, 6, 1) = L_{2648} = \begin{bmatrix} 1044 \\ 0142 \end{bmatrix} \\
3806 &= \mathbf{PI}(1, 7, 1, 1, 6, 1) = L_{706} = \begin{bmatrix} 1011 \\ 0116 \end{bmatrix} \\
3807 &= \mathbf{PI}(4, 1, 2, 1, 6, 1) = L_{2033} = \begin{bmatrix} 1033 \\ 0167 \end{bmatrix} \\
3808 &= \mathbf{PI}(2, 2, 2, 1, 6, 1) = L_{3967} = \begin{bmatrix} 1066 \\ 0113 \end{bmatrix} \\
3809 &= \mathbf{PI}(7, 3, 2, 1, 6, 1) = L_{3324} = \begin{bmatrix} 1055 \\ 0174 \end{bmatrix} \\
3810 &= \mathbf{PI}(1, 4, 2, 1, 6, 1) = L_{707} = \begin{bmatrix} 1011 \\ 0126 \end{bmatrix} \\
3811 &= \mathbf{PI}(6, 5, 2, 1, 6, 1) = L_{1326} = \begin{bmatrix} 1022 \\ 0141 \end{bmatrix} \\
3812 &= \mathbf{PI}(5, 6, 2, 1, 6, 1) = L_{4642} = \begin{bmatrix} 1077 \\ 0135 \end{bmatrix} \\
3813 &= \mathbf{PI}(3, 7, 2, 1, 6, 1) = L_{2649} = \begin{bmatrix} 1044 \\ 0152 \end{bmatrix} \\
3814 &= \mathbf{PI}(5, 1, 3, 1, 6, 1) = L_{4643} = \begin{bmatrix} 1077 \\ 0145 \end{bmatrix} \\
3815 &= \mathbf{PI}(4, 2, 3, 1, 6, 1) = L_{2032} = \begin{bmatrix} 1033 \\ 0157 \end{bmatrix} \\
3816 &= \mathbf{PI}(3, 3, 3, 1, 6, 1) = L_{2645} = \begin{bmatrix} 1044 \\ 0112 \end{bmatrix} \\
3817 &= \mathbf{PI}(2, 4, 3, 1, 6, 1) = L_{3973} = \begin{bmatrix} 1066 \\ 0173 \end{bmatrix} \\
3818 &= \mathbf{PI}(1, 5, 3, 1, 6, 1) = L_{708} = \begin{bmatrix} 1011 \\ 0136 \end{bmatrix} \\
3819 &= \mathbf{PI}(7, 6, 3, 1, 6, 1) = L_{3319} = \begin{bmatrix} 1055 \\ 0124 \end{bmatrix} \\
3820 &= \mathbf{PI}(6, 7, 3, 1, 6, 1) = L_{1328} = \begin{bmatrix} 1022 \\ 0161 \end{bmatrix} \\
3821 &= \mathbf{PI}(2, 1, 4, 1, 6, 1) = L_{3968} = \begin{bmatrix} 1066 \\ 0123 \end{bmatrix} \\
3822 &= \mathbf{PI}(1, 2, 4, 1, 6, 1) = L_{709} = \begin{bmatrix} 1011 \\ 0146 \end{bmatrix} \\
3823 &= \mathbf{PI}(5, 3, 4, 1, 6, 1) = L_{4645} = \begin{bmatrix} 1077 \\ 0165 \end{bmatrix} \\
3824 &= \mathbf{PI}(6, 4, 4, 1, 6, 1) = L_{1327} = \begin{bmatrix} 1022 \\ 0151 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3825 &= \mathbf{PI}(3, 5, 4, 1, 6, 1) = L_{2651} = \begin{bmatrix} 1044 \\ 0172 \end{bmatrix} \\
3826 &= \mathbf{PI}(4, 6, 4, 1, 6, 1) = L_{2028} = \begin{bmatrix} 1033 \\ 0117 \end{bmatrix} \\
3827 &= \mathbf{PI}(7, 7, 4, 1, 6, 1) = L_{3320} = \begin{bmatrix} 1055 \\ 0134 \end{bmatrix} \\
3828 &= \mathbf{PI}(3, 1, 5, 1, 6, 1) = L_{2647} = \begin{bmatrix} 1044 \\ 0132 \end{bmatrix} \\
3829 &= \mathbf{PI}(7, 2, 5, 1, 6, 1) = L_{3323} = \begin{bmatrix} 1055 \\ 0164 \end{bmatrix} \\
3830 &= \mathbf{PI}(1, 3, 5, 1, 6, 1) = L_{710} = \begin{bmatrix} 1011 \\ 0156 \end{bmatrix} \\
3831 &= \mathbf{PI}(5, 4, 5, 1, 6, 1) = L_{4640} = \begin{bmatrix} 1077 \\ 0115 \end{bmatrix} \\
3832 &= \mathbf{PI}(4, 5, 5, 1, 6, 1) = L_{2029} = \begin{bmatrix} 1033 \\ 0127 \end{bmatrix} \\
3833 &= \mathbf{PI}(6, 6, 5, 1, 6, 1) = L_{1329} = \begin{bmatrix} 1022 \\ 0171 \end{bmatrix} \\
3834 &= \mathbf{PI}(2, 7, 5, 1, 6, 1) = L_{3970} = \begin{bmatrix} 1066 \\ 0143 \end{bmatrix} \\
3835 &= \mathbf{PI}(0, 0, 6, 1, 6, 1) = L_{211} = \begin{bmatrix} 1200 \\ 0011 \end{bmatrix} \\
3836 &= \mathbf{PI}(1, 0, 6, 1, 6, 1) = L_{711} = \begin{bmatrix} 1011 \\ 0166 \end{bmatrix} \\
3837 &= \mathbf{PI}(2, 0, 6, 1, 6, 1) = L_{3969} = \begin{bmatrix} 1066 \\ 0133 \end{bmatrix} \\
3838 &= \mathbf{PI}(3, 0, 6, 1, 6, 1) = L_{2646} = \begin{bmatrix} 1044 \\ 0122 \end{bmatrix} \\
3839 &= \mathbf{PI}(4, 0, 6, 1, 6, 1) = L_{2034} = \begin{bmatrix} 1033 \\ 0177 \end{bmatrix} \\
3840 &= \mathbf{PI}(5, 0, 6, 1, 6, 1) = L_{4644} = \begin{bmatrix} 1077 \\ 0155 \end{bmatrix} \\
3841 &= \mathbf{PI}(6, 0, 6, 1, 6, 1) = L_{1323} = \begin{bmatrix} 1022 \\ 0111 \end{bmatrix} \\
3842 &= \mathbf{PI}(7, 0, 6, 1, 6, 1) = L_{3321} = \begin{bmatrix} 1055 \\ 0144 \end{bmatrix} \\
3843 &= \mathbf{PI}(0, 1, 6, 1, 6, 1) = L_{1379} = \begin{bmatrix} 1202 \\ 0011 \end{bmatrix} \\
3844 &= \mathbf{PI}(0, 2, 6, 1, 6, 1) = L_{2547} = \begin{bmatrix} 1204 \\ 0011 \end{bmatrix} \\
3845 &= \mathbf{PI}(0, 3, 6, 1, 6, 1) = L_{3715} = \begin{bmatrix} 1206 \\ 0011 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3846 &= \mathbf{PI}(0, 4, 6, 1, 6, 1) = L_{3131} = \begin{bmatrix} 1205 \\ 0011 \end{bmatrix} \\
3847 &= \mathbf{PI}(0, 5, 6, 1, 6, 1) = L_{4299} = \begin{bmatrix} 1207 \\ 0011 \end{bmatrix} \\
3848 &= \mathbf{PI}(0, 6, 6, 1, 6, 1) = L_{795} = \begin{bmatrix} 1201 \\ 0011 \end{bmatrix} \\
3849 &= \mathbf{PI}(0, 7, 6, 1, 6, 1) = L_{1963} = \begin{bmatrix} 1203 \\ 0011 \end{bmatrix} \\
3850 &= \mathbf{PI}(1, 1, 7, 1, 6, 1) = L_{712} = \begin{bmatrix} 1011 \\ 0176 \end{bmatrix} \\
3851 &= \mathbf{PI}(6, 2, 7, 1, 6, 1) = L_{1325} = \begin{bmatrix} 1022 \\ 0131 \end{bmatrix} \\
3852 &= \mathbf{PI}(4, 3, 7, 1, 6, 1) = L_{2031} = \begin{bmatrix} 1033 \\ 0147 \end{bmatrix} \\
3853 &= \mathbf{PI}(3, 4, 7, 1, 6, 1) = L_{2650} = \begin{bmatrix} 1044 \\ 0162 \end{bmatrix} \\
3854 &= \mathbf{PI}(7, 5, 7, 1, 6, 1) = L_{3318} = \begin{bmatrix} 1055 \\ 0114 \end{bmatrix} \\
3855 &= \mathbf{PI}(2, 6, 7, 1, 6, 1) = L_{3971} = \begin{bmatrix} 1066 \\ 0153 \end{bmatrix} \\
3856 &= \mathbf{PI}(5, 7, 7, 1, 6, 1) = L_{4641} = \begin{bmatrix} 1077 \\ 0125 \end{bmatrix} \\
3857 &= \mathbf{PI}(6, 1, 0, 2, 6, 1) = L_{2490} = \begin{bmatrix} 1024 \\ 0101 \end{bmatrix} \\
3858 &= \mathbf{PI}(3, 2, 0, 2, 6, 1) = L_{3228} = \begin{bmatrix} 1045 \\ 0102 \end{bmatrix} \\
3859 &= \mathbf{PI}(2, 3, 0, 2, 6, 1) = L_{1046} = \begin{bmatrix} 1061 \\ 0103 \end{bmatrix} \\
3860 &= \mathbf{PI}(7, 4, 0, 2, 6, 1) = L_{4485} = \begin{bmatrix} 1057 \\ 0104 \end{bmatrix} \\
3861 &= \mathbf{PI}(5, 5, 0, 2, 6, 1) = L_{2303} = \begin{bmatrix} 1073 \\ 0105 \end{bmatrix} \\
3862 &= \mathbf{PI}(1, 6, 0, 2, 6, 1) = L_{1289} = \begin{bmatrix} 1012 \\ 0106 \end{bmatrix} \\
3863 &= \mathbf{PI}(4, 7, 0, 2, 6, 1) = L_{3779} = \begin{bmatrix} 1036 \\ 0107 \end{bmatrix} \\
3864 &= \mathbf{PI}(4, 1, 1, 2, 6, 1) = L_{3782} = \begin{bmatrix} 1036 \\ 0137 \end{bmatrix} \\
3865 &= \mathbf{PI}(2, 2, 1, 2, 6, 1) = L_{1052} = \begin{bmatrix} 1061 \\ 0163 \end{bmatrix} \\
3866 &= \mathbf{PI}(7, 3, 1, 2, 6, 1) = L_{4490} = \begin{bmatrix} 1057 \\ 0154 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
3867 &= \mathbf{PI}(1, 4, 1, 2, 6, 1) = L_{1290} = \begin{bmatrix} 1012 \\ 0116 \end{bmatrix} \\
3868 &= \mathbf{PI}(6, 5, 1, 2, 6, 1) = L_{2492} = \begin{bmatrix} 1024 \\ 0121 \end{bmatrix} \\
3869 &= \mathbf{PI}(5, 6, 1, 2, 6, 1) = L_{2310} = \begin{bmatrix} 1073 \\ 0175 \end{bmatrix} \\
3870 &= \mathbf{PI}(3, 7, 1, 2, 6, 1) = L_{3232} = \begin{bmatrix} 1045 \\ 0142 \end{bmatrix} \\
3871 &= \mathbf{PI}(2, 1, 2, 2, 6, 1) = L_{1047} = \begin{bmatrix} 1061 \\ 0113 \end{bmatrix} \\
3872 &= \mathbf{PI}(1, 2, 2, 2, 6, 1) = L_{1291} = \begin{bmatrix} 1012 \\ 0126 \end{bmatrix} \\
3873 &= \mathbf{PI}(5, 3, 2, 2, 6, 1) = L_{2306} = \begin{bmatrix} 1073 \\ 0135 \end{bmatrix} \\
3874 &= \mathbf{PI}(6, 4, 2, 2, 6, 1) = L_{2494} = \begin{bmatrix} 1024 \\ 0141 \end{bmatrix} \\
3875 &= \mathbf{PI}(3, 5, 2, 2, 6, 1) = L_{3233} = \begin{bmatrix} 1045 \\ 0152 \end{bmatrix} \\
3876 &= \mathbf{PI}(4, 6, 2, 2, 6, 1) = L_{3785} = \begin{bmatrix} 1036 \\ 0167 \end{bmatrix} \\
3877 &= \mathbf{PI}(7, 7, 2, 2, 6, 1) = L_{4492} = \begin{bmatrix} 1057 \\ 0174 \end{bmatrix} \\
3878 &= \mathbf{PI}(0, 0, 3, 2, 6, 1) = L_{358} = \begin{bmatrix} 1400 \\ 0012 \end{bmatrix} \\
3879 &= \mathbf{PI}(1, 0, 3, 2, 6, 1) = L_{1292} = \begin{bmatrix} 1012 \\ 0136 \end{bmatrix} \\
3880 &= \mathbf{PI}(2, 0, 3, 2, 6, 1) = L_{1053} = \begin{bmatrix} 1061 \\ 0173 \end{bmatrix} \\
3881 &= \mathbf{PI}(3, 0, 3, 2, 6, 1) = L_{3229} = \begin{bmatrix} 1045 \\ 0112 \end{bmatrix} \\
3882 &= \mathbf{PI}(4, 0, 3, 2, 6, 1) = L_{3784} = \begin{bmatrix} 1036 \\ 0157 \end{bmatrix} \\
3883 &= \mathbf{PI}(5, 0, 3, 2, 6, 1) = L_{2307} = \begin{bmatrix} 1073 \\ 0145 \end{bmatrix} \\
3884 &= \mathbf{PI}(6, 0, 3, 2, 6, 1) = L_{2496} = \begin{bmatrix} 1024 \\ 0161 \end{bmatrix} \\
3885 &= \mathbf{PI}(7, 0, 3, 2, 6, 1) = L_{4487} = \begin{bmatrix} 1057 \\ 0124 \end{bmatrix} \\
3886 &= \mathbf{PI}(0, 1, 3, 2, 6, 1) = L_{2694} = \begin{bmatrix} 1404 \\ 0012 \end{bmatrix} \\
3887 &= \mathbf{PI}(0, 2, 3, 2, 6, 1) = L_{3278} = \begin{bmatrix} 1405 \\ 0012 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3888 &= \mathbf{PI}(0, 3, 3, 2, 6, 1) = L_{942} = \begin{bmatrix} 1401 \\ 0012 \end{bmatrix} \\
3889 &= \mathbf{PI}(0, 4, 3, 2, 6, 1) = L_{4446} = \begin{bmatrix} 1407 \\ 0012 \end{bmatrix} \\
3890 &= \mathbf{PI}(0, 5, 3, 2, 6, 1) = L_{2110} = \begin{bmatrix} 1403 \\ 0012 \end{bmatrix} \\
3891 &= \mathbf{PI}(0, 6, 3, 2, 6, 1) = L_{1526} = \begin{bmatrix} 1402 \\ 0012 \end{bmatrix} \\
3892 &= \mathbf{PI}(0, 7, 3, 2, 6, 1) = L_{3862} = \begin{bmatrix} 1406 \\ 0012 \end{bmatrix} \\
3893 &= \mathbf{PI}(3, 1, 4, 2, 6, 1) = L_{3235} = \begin{bmatrix} 1045 \\ 0172 \end{bmatrix} \\
3894 &= \mathbf{PI}(7, 2, 4, 2, 6, 1) = L_{4488} = \begin{bmatrix} 1057 \\ 0134 \end{bmatrix} \\
3895 &= \mathbf{PI}(1, 3, 4, 2, 6, 1) = L_{1293} = \begin{bmatrix} 1012 \\ 0146 \end{bmatrix} \\
3896 &= \mathbf{PI}(5, 4, 4, 2, 6, 1) = L_{2309} = \begin{bmatrix} 1073 \\ 0165 \end{bmatrix} \\
3897 &= \mathbf{PI}(4, 5, 4, 2, 6, 1) = L_{3780} = \begin{bmatrix} 1036 \\ 0117 \end{bmatrix} \\
3898 &= \mathbf{PI}(6, 6, 4, 2, 6, 1) = L_{2495} = \begin{bmatrix} 1024 \\ 0151 \end{bmatrix} \\
3899 &= \mathbf{PI}(2, 7, 4, 2, 6, 1) = L_{1048} = \begin{bmatrix} 1061 \\ 0123 \end{bmatrix} \\
3900 &= \mathbf{PI}(1, 1, 5, 2, 6, 1) = L_{1294} = \begin{bmatrix} 1012 \\ 0156 \end{bmatrix} \\
3901 &= \mathbf{PI}(6, 2, 5, 2, 6, 1) = L_{2497} = \begin{bmatrix} 1024 \\ 0171 \end{bmatrix} \\
3902 &= \mathbf{PI}(4, 3, 5, 2, 6, 1) = L_{3781} = \begin{bmatrix} 1036 \\ 0127 \end{bmatrix} \\
3903 &= \mathbf{PI}(3, 4, 5, 2, 6, 1) = L_{3231} = \begin{bmatrix} 1045 \\ 0132 \end{bmatrix} \\
3904 &= \mathbf{PI}(7, 5, 5, 2, 6, 1) = L_{4491} = \begin{bmatrix} 1057 \\ 0164 \end{bmatrix} \\
3905 &= \mathbf{PI}(2, 6, 5, 2, 6, 1) = L_{1050} = \begin{bmatrix} 1061 \\ 0143 \end{bmatrix} \\
3906 &= \mathbf{PI}(5, 7, 5, 2, 6, 1) = L_{2304} = \begin{bmatrix} 1073 \\ 0115 \end{bmatrix} \\
3907 &= \mathbf{PI}(7, 1, 6, 2, 6, 1) = L_{4489} = \begin{bmatrix} 1057 \\ 0144 \end{bmatrix} \\
3908 &= \mathbf{PI}(5, 2, 6, 2, 6, 1) = L_{2308} = \begin{bmatrix} 1073 \\ 0155 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3909 &= \mathbf{PI}(6, 3, 6, 2, 6, 1) = L_{2491} = \begin{bmatrix} 1024 \\ 0111 \end{bmatrix} \\
3910 &= \mathbf{PI}(4, 4, 6, 2, 6, 1) = L_{3786} = \begin{bmatrix} 1036 \\ 0177 \end{bmatrix} \\
3911 &= \mathbf{PI}(2, 5, 6, 2, 6, 1) = L_{1049} = \begin{bmatrix} 1061 \\ 0133 \end{bmatrix} \\
3912 &= \mathbf{PI}(3, 6, 6, 2, 6, 1) = L_{3230} = \begin{bmatrix} 1045 \\ 0122 \end{bmatrix} \\
3913 &= \mathbf{PI}(1, 7, 6, 2, 6, 1) = L_{1295} = \begin{bmatrix} 1012 \\ 0166 \end{bmatrix} \\
3914 &= \mathbf{PI}(5, 1, 7, 2, 6, 1) = L_{2305} = \begin{bmatrix} 1073 \\ 0125 \end{bmatrix} \\
3915 &= \mathbf{PI}(4, 2, 7, 2, 6, 1) = L_{3783} = \begin{bmatrix} 1036 \\ 0147 \end{bmatrix} \\
3916 &= \mathbf{PI}(3, 3, 7, 2, 6, 1) = L_{3234} = \begin{bmatrix} 1045 \\ 0162 \end{bmatrix} \\
3917 &= \mathbf{PI}(2, 4, 7, 2, 6, 1) = L_{1051} = \begin{bmatrix} 1061 \\ 0153 \end{bmatrix} \\
3918 &= \mathbf{PI}(1, 5, 7, 2, 6, 1) = L_{1296} = \begin{bmatrix} 1012 \\ 0176 \end{bmatrix} \\
3919 &= \mathbf{PI}(7, 6, 7, 2, 6, 1) = L_{4486} = \begin{bmatrix} 1057 \\ 0114 \end{bmatrix} \\
3920 &= \mathbf{PI}(6, 7, 7, 2, 6, 1) = L_{2493} = \begin{bmatrix} 1024 \\ 0131 \end{bmatrix} \\
3921 &= \mathbf{PI}(6, 1, 0, 3, 6, 1) = L_{3658} = \begin{bmatrix} 1026 \\ 0101 \end{bmatrix} \\
3922 &= \mathbf{PI}(3, 2, 0, 3, 6, 1) = L_{892} = \begin{bmatrix} 1041 \\ 0102 \end{bmatrix} \\
3923 &= \mathbf{PI}(2, 3, 0, 3, 6, 1) = L_{4550} = \begin{bmatrix} 1067 \\ 0103 \end{bmatrix} \\
3924 &= \mathbf{PI}(7, 4, 0, 3, 6, 1) = L_{1565} = \begin{bmatrix} 1052 \\ 0104 \end{bmatrix} \\
3925 &= \mathbf{PI}(5, 5, 0, 3, 6, 1) = L_{2887} = \begin{bmatrix} 1074 \\ 0105 \end{bmatrix} \\
3926 &= \mathbf{PI}(1, 6, 0, 3, 6, 1) = L_{1873} = \begin{bmatrix} 1013 \\ 0106 \end{bmatrix} \\
3927 &= \mathbf{PI}(4, 7, 0, 3, 6, 1) = L_{3195} = \begin{bmatrix} 1035 \\ 0107 \end{bmatrix} \\
3928 &= \mathbf{PI}(5, 1, 1, 3, 6, 1) = L_{2894} = \begin{bmatrix} 1074 \\ 0175 \end{bmatrix} \\
3929 &= \mathbf{PI}(4, 2, 1, 3, 6, 1) = L_{3198} = \begin{bmatrix} 1035 \\ 0137 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3930 &= \mathbf{PI}(3, 3, 1, 3, 6, 1) = L_{896} = \begin{bmatrix} 1041 \\ 0142 \end{bmatrix} \\
3931 &= \mathbf{PI}(2, 4, 1, 3, 6, 1) = L_{4556} = \begin{bmatrix} 1067 \\ 0163 \end{bmatrix} \\
3932 &= \mathbf{PI}(1, 5, 1, 3, 6, 1) = L_{1874} = \begin{bmatrix} 1013 \\ 0116 \end{bmatrix} \\
3933 &= \mathbf{PI}(7, 6, 1, 3, 6, 1) = L_{1570} = \begin{bmatrix} 1052 \\ 0154 \end{bmatrix} \\
3934 &= \mathbf{PI}(6, 7, 1, 3, 6, 1) = L_{3660} = \begin{bmatrix} 1026 \\ 0121 \end{bmatrix} \\
3935 &= \mathbf{PI}(0, 0, 2, 3, 6, 1) = L_{505} = \begin{bmatrix} 1600 \\ 0013 \end{bmatrix} \\
3936 &= \mathbf{PI}(1, 0, 2, 3, 6, 1) = L_{1875} = \begin{bmatrix} 1013 \\ 0126 \end{bmatrix} \\
3937 &= \mathbf{PI}(2, 0, 2, 3, 6, 1) = L_{4551} = \begin{bmatrix} 1067 \\ 0113 \end{bmatrix} \\
3938 &= \mathbf{PI}(3, 0, 2, 3, 6, 1) = L_{897} = \begin{bmatrix} 1041 \\ 0152 \end{bmatrix} \\
3939 &= \mathbf{PI}(4, 0, 2, 3, 6, 1) = L_{3201} = \begin{bmatrix} 1035 \\ 0167 \end{bmatrix} \\
3940 &= \mathbf{PI}(5, 0, 2, 3, 6, 1) = L_{2890} = \begin{bmatrix} 1074 \\ 0135 \end{bmatrix} \\
3941 &= \mathbf{PI}(6, 0, 2, 3, 6, 1) = L_{3662} = \begin{bmatrix} 1026 \\ 0141 \end{bmatrix} \\
3942 &= \mathbf{PI}(7, 0, 2, 3, 6, 1) = L_{1572} = \begin{bmatrix} 1052 \\ 0174 \end{bmatrix} \\
3943 &= \mathbf{PI}(0, 1, 2, 3, 6, 1) = L_{4009} = \begin{bmatrix} 1606 \\ 0013 \end{bmatrix} \\
3944 &= \mathbf{PI}(0, 2, 2, 3, 6, 1) = L_{1089} = \begin{bmatrix} 1601 \\ 0013 \end{bmatrix} \\
3945 &= \mathbf{PI}(0, 3, 2, 3, 6, 1) = L_{4593} = \begin{bmatrix} 1607 \\ 0013 \end{bmatrix} \\
3946 &= \mathbf{PI}(0, 4, 2, 3, 6, 1) = L_{1673} = \begin{bmatrix} 1602 \\ 0013 \end{bmatrix} \\
3947 &= \mathbf{PI}(0, 5, 2, 3, 6, 1) = L_{2841} = \begin{bmatrix} 1604 \\ 0013 \end{bmatrix} \\
3948 &= \mathbf{PI}(0, 6, 2, 3, 6, 1) = L_{2257} = \begin{bmatrix} 1603 \\ 0013 \end{bmatrix} \\
3949 &= \mathbf{PI}(0, 7, 2, 3, 6, 1) = L_{3425} = \begin{bmatrix} 1605 \\ 0013 \end{bmatrix} \\
3950 &= \mathbf{PI}(3, 1, 3, 3, 6, 1) = L_{893} = \begin{bmatrix} 1041 \\ 0112 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3951 &= \mathbf{PI}(7, 2, 3, 3, 6, 1) = L_{1567} = \begin{bmatrix} 1052 \\ 0124 \end{bmatrix} \\
3952 &= \mathbf{PI}(1, 3, 3, 3, 6, 1) = L_{1876} = \begin{bmatrix} 1013 \\ 0136 \end{bmatrix} \\
3953 &= \mathbf{PI}(5, 4, 3, 3, 6, 1) = L_{2891} = \begin{bmatrix} 1074 \\ 0145 \end{bmatrix} \\
3954 &= \mathbf{PI}(4, 5, 3, 3, 6, 1) = L_{3200} = \begin{bmatrix} 1035 \\ 0157 \end{bmatrix} \\
3955 &= \mathbf{PI}(6, 6, 3, 3, 6, 1) = L_{3664} = \begin{bmatrix} 1026 \\ 0161 \end{bmatrix} \\
3956 &= \mathbf{PI}(2, 7, 3, 3, 6, 1) = L_{4557} = \begin{bmatrix} 1067 \\ 0173 \end{bmatrix} \\
3957 &= \mathbf{PI}(7, 1, 4, 3, 6, 1) = L_{1568} = \begin{bmatrix} 1052 \\ 0134 \end{bmatrix} \\
3958 &= \mathbf{PI}(5, 2, 4, 3, 6, 1) = L_{2893} = \begin{bmatrix} 1074 \\ 0165 \end{bmatrix} \\
3959 &= \mathbf{PI}(6, 3, 4, 3, 6, 1) = L_{3663} = \begin{bmatrix} 1026 \\ 0151 \end{bmatrix} \\
3960 &= \mathbf{PI}(4, 4, 4, 3, 6, 1) = L_{3196} = \begin{bmatrix} 1035 \\ 0117 \end{bmatrix} \\
3961 &= \mathbf{PI}(2, 5, 4, 3, 6, 1) = L_{4552} = \begin{bmatrix} 1067 \\ 0123 \end{bmatrix} \\
3962 &= \mathbf{PI}(3, 6, 4, 3, 6, 1) = L_{899} = \begin{bmatrix} 1041 \\ 0172 \end{bmatrix} \\
3963 &= \mathbf{PI}(1, 7, 4, 3, 6, 1) = L_{1877} = \begin{bmatrix} 1013 \\ 0146 \end{bmatrix} \\
3964 &= \mathbf{PI}(4, 1, 5, 3, 6, 1) = L_{3197} = \begin{bmatrix} 1035 \\ 0127 \end{bmatrix} \\
3965 &= \mathbf{PI}(2, 2, 5, 3, 6, 1) = L_{4554} = \begin{bmatrix} 1067 \\ 0143 \end{bmatrix} \\
3966 &= \mathbf{PI}(7, 3, 5, 3, 6, 1) = L_{1571} = \begin{bmatrix} 1052 \\ 0164 \end{bmatrix} \\
3967 &= \mathbf{PI}(1, 4, 5, 3, 6, 1) = L_{1878} = \begin{bmatrix} 1013 \\ 0156 \end{bmatrix} \\
3968 &= \mathbf{PI}(6, 5, 5, 3, 6, 1) = L_{3665} = \begin{bmatrix} 1026 \\ 0171 \end{bmatrix} \\
3969 &= \mathbf{PI}(5, 6, 5, 3, 6, 1) = L_{2888} = \begin{bmatrix} 1074 \\ 0115 \end{bmatrix} \\
3970 &= \mathbf{PI}(3, 7, 5, 3, 6, 1) = L_{895} = \begin{bmatrix} 1041 \\ 0132 \end{bmatrix} \\
3971 &= \mathbf{PI}(1, 1, 6, 3, 6, 1) = L_{1879} = \begin{bmatrix} 1013 \\ 0166 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3972 &= \mathbf{PI}(6, 2, 6, 3, 6, 1) = L_{3659} = \begin{bmatrix} 1026 \\ 0111 \end{bmatrix} \\
3973 &= \mathbf{PI}(4, 3, 6, 3, 6, 1) = L_{3202} = \begin{bmatrix} 1035 \\ 0177 \end{bmatrix} \\
3974 &= \mathbf{PI}(3, 4, 6, 3, 6, 1) = L_{894} = \begin{bmatrix} 1041 \\ 0122 \end{bmatrix} \\
3975 &= \mathbf{PI}(7, 5, 6, 3, 6, 1) = L_{1569} = \begin{bmatrix} 1052 \\ 0144 \end{bmatrix} \\
3976 &= \mathbf{PI}(2, 6, 6, 3, 6, 1) = L_{4553} = \begin{bmatrix} 1067 \\ 0133 \end{bmatrix} \\
3977 &= \mathbf{PI}(5, 7, 6, 3, 6, 1) = L_{2892} = \begin{bmatrix} 1074 \\ 0155 \end{bmatrix} \\
3978 &= \mathbf{PI}(2, 1, 7, 3, 6, 1) = L_{4555} = \begin{bmatrix} 1067 \\ 0153 \end{bmatrix} \\
3979 &= \mathbf{PI}(1, 2, 7, 3, 6, 1) = L_{1880} = \begin{bmatrix} 1013 \\ 0176 \end{bmatrix} \\
3980 &= \mathbf{PI}(5, 3, 7, 3, 6, 1) = L_{2889} = \begin{bmatrix} 1074 \\ 0125 \end{bmatrix} \\
3981 &= \mathbf{PI}(6, 4, 7, 3, 6, 1) = L_{3661} = \begin{bmatrix} 1026 \\ 0131 \end{bmatrix} \\
3982 &= \mathbf{PI}(3, 5, 7, 3, 6, 1) = L_{898} = \begin{bmatrix} 1041 \\ 0162 \end{bmatrix} \\
3983 &= \mathbf{PI}(4, 6, 7, 3, 6, 1) = L_{3199} = \begin{bmatrix} 1035 \\ 0147 \end{bmatrix} \\
3984 &= \mathbf{PI}(7, 7, 7, 3, 6, 1) = L_{1566} = \begin{bmatrix} 1052 \\ 0114 \end{bmatrix} \\
3985 &= \mathbf{PI}(6, 1, 0, 4, 6, 1) = L_{3074} = \begin{bmatrix} 1025 \\ 0101 \end{bmatrix} \\
3986 &= \mathbf{PI}(3, 2, 0, 4, 6, 1) = L_{4396} = \begin{bmatrix} 1047 \\ 0102 \end{bmatrix} \\
3987 &= \mathbf{PI}(2, 3, 0, 4, 6, 1) = L_{1630} = \begin{bmatrix} 1062 \\ 0103 \end{bmatrix} \\
3988 &= \mathbf{PI}(7, 4, 0, 4, 6, 1) = L_{2149} = \begin{bmatrix} 1053 \\ 0104 \end{bmatrix} \\
3989 &= \mathbf{PI}(5, 5, 0, 4, 6, 1) = L_{4055} = \begin{bmatrix} 1076 \\ 0105 \end{bmatrix} \\
3990 &= \mathbf{PI}(1, 6, 0, 4, 6, 1) = L_{2457} = \begin{bmatrix} 1014 \\ 0106 \end{bmatrix} \\
3991 &= \mathbf{PI}(4, 7, 0, 4, 6, 1) = L_{859} = \begin{bmatrix} 1031 \\ 0107 \end{bmatrix} \\
3992 &= \mathbf{PI}(2, 1, 1, 4, 6, 1) = L_{1636} = \begin{bmatrix} 1062 \\ 0163 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
3993 &= \mathbf{PI}(1, 2, 1, 4, 6, 1) = L_{2458} = \begin{bmatrix} 1014 \\ 0116 \end{bmatrix} \\
3994 &= \mathbf{PI}(5, 3, 1, 4, 6, 1) = L_{4062} = \begin{bmatrix} 1076 \\ 0175 \end{bmatrix} \\
3995 &= \mathbf{PI}(6, 4, 1, 4, 6, 1) = L_{3076} = \begin{bmatrix} 1025 \\ 0121 \end{bmatrix} \\
3996 &= \mathbf{PI}(3, 5, 1, 4, 6, 1) = L_{4400} = \begin{bmatrix} 1047 \\ 0142 \end{bmatrix} \\
3997 &= \mathbf{PI}(4, 6, 1, 4, 6, 1) = L_{862} = \begin{bmatrix} 1031 \\ 0137 \end{bmatrix} \\
3998 &= \mathbf{PI}(7, 7, 1, 4, 6, 1) = L_{2154} = \begin{bmatrix} 1053 \\ 0154 \end{bmatrix} \\
3999 &= \mathbf{PI}(3, 1, 2, 4, 6, 1) = L_{4401} = \begin{bmatrix} 1047 \\ 0152 \end{bmatrix} \\
4000 &= \mathbf{PI}(7, 2, 2, 4, 6, 1) = L_{2156} = \begin{bmatrix} 1053 \\ 0174 \end{bmatrix} \\
4001 &= \mathbf{PI}(1, 3, 2, 4, 6, 1) = L_{2459} = \begin{bmatrix} 1014 \\ 0126 \end{bmatrix} \\
4002 &= \mathbf{PI}(5, 4, 2, 4, 6, 1) = L_{4058} = \begin{bmatrix} 1076 \\ 0135 \end{bmatrix} \\
4003 &= \mathbf{PI}(4, 5, 2, 4, 6, 1) = L_{865} = \begin{bmatrix} 1031 \\ 0167 \end{bmatrix} \\
4004 &= \mathbf{PI}(6, 6, 2, 4, 6, 1) = L_{3078} = \begin{bmatrix} 1025 \\ 0141 \end{bmatrix} \\
4005 &= \mathbf{PI}(2, 7, 2, 4, 6, 1) = L_{1631} = \begin{bmatrix} 1062 \\ 0113 \end{bmatrix} \\
4006 &= \mathbf{PI}(7, 1, 3, 4, 6, 1) = L_{2151} = \begin{bmatrix} 1053 \\ 0124 \end{bmatrix} \\
4007 &= \mathbf{PI}(5, 2, 3, 4, 6, 1) = L_{4059} = \begin{bmatrix} 1076 \\ 0145 \end{bmatrix} \\
4008 &= \mathbf{PI}(6, 3, 3, 4, 6, 1) = L_{3080} = \begin{bmatrix} 1025 \\ 0161 \end{bmatrix} \\
4009 &= \mathbf{PI}(4, 4, 3, 4, 6, 1) = L_{864} = \begin{bmatrix} 1031 \\ 0157 \end{bmatrix} \\
4010 &= \mathbf{PI}(2, 5, 3, 4, 6, 1) = L_{1637} = \begin{bmatrix} 1062 \\ 0173 \end{bmatrix} \\
4011 &= \mathbf{PI}(3, 6, 3, 4, 6, 1) = L_{4397} = \begin{bmatrix} 1047 \\ 0112 \end{bmatrix} \\
4012 &= \mathbf{PI}(1, 7, 3, 4, 6, 1) = L_{2460} = \begin{bmatrix} 1014 \\ 0136 \end{bmatrix} \\
4013 &= \mathbf{PI}(1, 1, 4, 4, 6, 1) = L_{2461} = \begin{bmatrix} 1014 \\ 0146 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4014 &= \mathbf{PI}(6, 2, 4, 4, 6, 1) = L_{3079} = \begin{bmatrix} 1025 \\ 0151 \end{bmatrix} \\
4015 &= \mathbf{PI}(4, 3, 4, 4, 6, 1) = L_{860} = \begin{bmatrix} 1031 \\ 0117 \end{bmatrix} \\
4016 &= \mathbf{PI}(3, 4, 4, 4, 6, 1) = L_{4403} = \begin{bmatrix} 1047 \\ 0172 \end{bmatrix} \\
4017 &= \mathbf{PI}(7, 5, 4, 4, 6, 1) = L_{2152} = \begin{bmatrix} 1053 \\ 0134 \end{bmatrix} \\
4018 &= \mathbf{PI}(2, 6, 4, 4, 6, 1) = L_{1632} = \begin{bmatrix} 1062 \\ 0123 \end{bmatrix} \\
4019 &= \mathbf{PI}(5, 7, 4, 4, 6, 1) = L_{4061} = \begin{bmatrix} 1076 \\ 0165 \end{bmatrix} \\
4020 &= \mathbf{PI}(5, 1, 5, 4, 6, 1) = L_{4056} = \begin{bmatrix} 1076 \\ 0115 \end{bmatrix} \\
4021 &= \mathbf{PI}(4, 2, 5, 4, 6, 1) = L_{861} = \begin{bmatrix} 1031 \\ 0127 \end{bmatrix} \\
4022 &= \mathbf{PI}(3, 3, 5, 4, 6, 1) = L_{4399} = \begin{bmatrix} 1047 \\ 0132 \end{bmatrix} \\
4023 &= \mathbf{PI}(2, 4, 5, 4, 6, 1) = L_{1634} = \begin{bmatrix} 1062 \\ 0143 \end{bmatrix} \\
4024 &= \mathbf{PI}(1, 5, 5, 4, 6, 1) = L_{2462} = \begin{bmatrix} 1014 \\ 0156 \end{bmatrix} \\
4025 &= \mathbf{PI}(7, 6, 5, 4, 6, 1) = L_{2155} = \begin{bmatrix} 1053 \\ 0164 \end{bmatrix} \\
4026 &= \mathbf{PI}(6, 7, 5, 4, 6, 1) = L_{3081} = \begin{bmatrix} 1025 \\ 0171 \end{bmatrix} \\
4027 &= \mathbf{PI}(4, 1, 6, 4, 6, 1) = L_{866} = \begin{bmatrix} 1031 \\ 0177 \end{bmatrix} \\
4028 &= \mathbf{PI}(2, 2, 6, 4, 6, 1) = L_{1633} = \begin{bmatrix} 1062 \\ 0133 \end{bmatrix} \\
4029 &= \mathbf{PI}(7, 3, 6, 4, 6, 1) = L_{2153} = \begin{bmatrix} 1053 \\ 0144 \end{bmatrix} \\
4030 &= \mathbf{PI}(1, 4, 6, 4, 6, 1) = L_{2463} = \begin{bmatrix} 1014 \\ 0166 \end{bmatrix} \\
4031 &= \mathbf{PI}(6, 5, 6, 4, 6, 1) = L_{3075} = \begin{bmatrix} 1025 \\ 0111 \end{bmatrix} \\
4032 &= \mathbf{PI}(5, 6, 6, 4, 6, 1) = L_{4060} = \begin{bmatrix} 1076 \\ 0155 \end{bmatrix} \\
4033 &= \mathbf{PI}(3, 7, 6, 4, 6, 1) = L_{4398} = \begin{bmatrix} 1047 \\ 0122 \end{bmatrix} \\
4034 &= \mathbf{PI}(0, 0, 7, 4, 6, 1) = L_{433} = \begin{bmatrix} 1500 \\ 0014 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
4035 &= \mathbf{PI}(1, 0, 7, 4, 6, 1) = L_{2464} = \begin{bmatrix} 1014 \\ 0176 \end{bmatrix} \\
4036 &= \mathbf{PI}(2, 0, 7, 4, 6, 1) = L_{1635} = \begin{bmatrix} 1062 \\ 0153 \end{bmatrix} \\
4037 &= \mathbf{PI}(3, 0, 7, 4, 6, 1) = L_{4402} = \begin{bmatrix} 1047 \\ 0162 \end{bmatrix} \\
4038 &= \mathbf{PI}(4, 0, 7, 4, 6, 1) = L_{863} = \begin{bmatrix} 1031 \\ 0147 \end{bmatrix} \\
4039 &= \mathbf{PI}(5, 0, 7, 4, 6, 1) = L_{4057} = \begin{bmatrix} 1076 \\ 0125 \end{bmatrix} \\
4040 &= \mathbf{PI}(6, 0, 7, 4, 6, 1) = L_{3077} = \begin{bmatrix} 1025 \\ 0131 \end{bmatrix} \\
4041 &= \mathbf{PI}(7, 0, 7, 4, 6, 1) = L_{2150} = \begin{bmatrix} 1053 \\ 0114 \end{bmatrix} \\
4042 &= \mathbf{PI}(0, 1, 7, 4, 6, 1) = L_{3353} = \begin{bmatrix} 1505 \\ 0014 \end{bmatrix} \\
4043 &= \mathbf{PI}(0, 2, 7, 4, 6, 1) = L_{4521} = \begin{bmatrix} 1507 \\ 0014 \end{bmatrix} \\
4044 &= \mathbf{PI}(0, 3, 7, 4, 6, 1) = L_{1601} = \begin{bmatrix} 1502 \\ 0014 \end{bmatrix} \\
4045 &= \mathbf{PI}(0, 4, 7, 4, 6, 1) = L_{2185} = \begin{bmatrix} 1503 \\ 0014 \end{bmatrix} \\
4046 &= \mathbf{PI}(0, 5, 7, 4, 6, 1) = L_{3937} = \begin{bmatrix} 1506 \\ 0014 \end{bmatrix} \\
4047 &= \mathbf{PI}(0, 6, 7, 4, 6, 1) = L_{2769} = \begin{bmatrix} 1504 \\ 0014 \end{bmatrix} \\
4048 &= \mathbf{PI}(0, 7, 7, 4, 6, 1) = L_{1017} = \begin{bmatrix} 1501 \\ 0014 \end{bmatrix} \\
4049 &= \mathbf{PI}(6, 1, 0, 5, 6, 1) = L_{4242} = \begin{bmatrix} 1027 \\ 0101 \end{bmatrix} \\
4050 &= \mathbf{PI}(3, 2, 0, 5, 6, 1) = L_{2060} = \begin{bmatrix} 1043 \\ 0102 \end{bmatrix} \\
4051 &= \mathbf{PI}(2, 3, 0, 5, 6, 1) = L_{2798} = \begin{bmatrix} 1064 \\ 0103 \end{bmatrix} \\
4052 &= \mathbf{PI}(7, 4, 0, 5, 6, 1) = L_{3901} = \begin{bmatrix} 1056 \\ 0104 \end{bmatrix} \\
4053 &= \mathbf{PI}(5, 5, 0, 5, 6, 1) = L_{1135} = \begin{bmatrix} 1071 \\ 0105 \end{bmatrix} \\
4054 &= \mathbf{PI}(1, 6, 0, 5, 6, 1) = L_{3041} = \begin{bmatrix} 1015 \\ 0106 \end{bmatrix} \\
4055 &= \mathbf{PI}(4, 7, 0, 5, 6, 1) = L_{1443} = \begin{bmatrix} 1032 \\ 0107 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4056 &= \mathbf{PI}(3, 1, 1, 5, 6, 1) = L_{2064} = \begin{bmatrix} 1043 \\ 0142 \end{bmatrix} \\
4057 &= \mathbf{PI}(7, 2, 1, 5, 6, 1) = L_{3906} = \begin{bmatrix} 1056 \\ 0154 \end{bmatrix} \\
4058 &= \mathbf{PI}(1, 3, 1, 5, 6, 1) = L_{3042} = \begin{bmatrix} 1015 \\ 0116 \end{bmatrix} \\
4059 &= \mathbf{PI}(5, 4, 1, 5, 6, 1) = L_{1142} = \begin{bmatrix} 1071 \\ 0175 \end{bmatrix} \\
4060 &= \mathbf{PI}(4, 5, 1, 5, 6, 1) = L_{1446} = \begin{bmatrix} 1032 \\ 0137 \end{bmatrix} \\
4061 &= \mathbf{PI}(6, 6, 1, 5, 6, 1) = L_{4244} = \begin{bmatrix} 1027 \\ 0121 \end{bmatrix} \\
4062 &= \mathbf{PI}(2, 7, 1, 5, 6, 1) = L_{2804} = \begin{bmatrix} 1064 \\ 0163 \end{bmatrix} \\
4063 &= \mathbf{PI}(1, 1, 2, 5, 6, 1) = L_{3043} = \begin{bmatrix} 1015 \\ 0126 \end{bmatrix} \\
4064 &= \mathbf{PI}(6, 2, 2, 5, 6, 1) = L_{4246} = \begin{bmatrix} 1027 \\ 0141 \end{bmatrix} \\
4065 &= \mathbf{PI}(4, 3, 2, 5, 6, 1) = L_{1449} = \begin{bmatrix} 1032 \\ 0167 \end{bmatrix} \\
4066 &= \mathbf{PI}(3, 4, 2, 5, 6, 1) = L_{2065} = \begin{bmatrix} 1043 \\ 0152 \end{bmatrix} \\
4067 &= \mathbf{PI}(7, 5, 2, 5, 6, 1) = L_{3908} = \begin{bmatrix} 1056 \\ 0174 \end{bmatrix} \\
4068 &= \mathbf{PI}(2, 6, 2, 5, 6, 1) = L_{2799} = \begin{bmatrix} 1064 \\ 0113 \end{bmatrix} \\
4069 &= \mathbf{PI}(5, 7, 2, 5, 6, 1) = L_{1138} = \begin{bmatrix} 1071 \\ 0135 \end{bmatrix} \\
4070 &= \mathbf{PI}(4, 1, 3, 5, 6, 1) = L_{1448} = \begin{bmatrix} 1032 \\ 0157 \end{bmatrix} \\
4071 &= \mathbf{PI}(2, 2, 3, 5, 6, 1) = L_{2805} = \begin{bmatrix} 1064 \\ 0173 \end{bmatrix} \\
4072 &= \mathbf{PI}(7, 3, 3, 5, 6, 1) = L_{3903} = \begin{bmatrix} 1056 \\ 0124 \end{bmatrix} \\
4073 &= \mathbf{PI}(1, 4, 3, 5, 6, 1) = L_{3044} = \begin{bmatrix} 1015 \\ 0136 \end{bmatrix} \\
4074 &= \mathbf{PI}(6, 5, 3, 5, 6, 1) = L_{4248} = \begin{bmatrix} 1027 \\ 0161 \end{bmatrix} \\
4075 &= \mathbf{PI}(5, 6, 3, 5, 6, 1) = L_{1139} = \begin{bmatrix} 1071 \\ 0145 \end{bmatrix} \\
4076 &= \mathbf{PI}(3, 7, 3, 5, 6, 1) = L_{2061} = \begin{bmatrix} 1043 \\ 0112 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4077 &= \mathbf{PI}(5, 1, 4, 5, 6, 1) = L_{1141} = \begin{bmatrix} 1071 \\ 0165 \end{bmatrix} \\
4078 &= \mathbf{PI}(4, 2, 4, 5, 6, 1) = L_{1444} = \begin{bmatrix} 1032 \\ 0117 \end{bmatrix} \\
4079 &= \mathbf{PI}(3, 3, 4, 5, 6, 1) = L_{2067} = \begin{bmatrix} 1043 \\ 0172 \end{bmatrix} \\
4080 &= \mathbf{PI}(2, 4, 4, 5, 6, 1) = L_{2800} = \begin{bmatrix} 1064 \\ 0123 \end{bmatrix} \\
4081 &= \mathbf{PI}(1, 5, 4, 5, 6, 1) = L_{3045} = \begin{bmatrix} 1015 \\ 0146 \end{bmatrix} \\
4082 &= \mathbf{PI}(7, 6, 4, 5, 6, 1) = L_{3904} = \begin{bmatrix} 1056 \\ 0134 \end{bmatrix} \\
4083 &= \mathbf{PI}(6, 7, 4, 5, 6, 1) = L_{4247} = \begin{bmatrix} 1027 \\ 0151 \end{bmatrix} \\
4084 &= \mathbf{PI}(0, 0, 5, 5, 6, 1) = L_{580} = \begin{bmatrix} 1700 \\ 0015 \end{bmatrix} \\
4085 &= \mathbf{PI}(1, 0, 5, 5, 6, 1) = L_{3046} = \begin{bmatrix} 1015 \\ 0156 \end{bmatrix} \\
4086 &= \mathbf{PI}(2, 0, 5, 5, 6, 1) = L_{2802} = \begin{bmatrix} 1064 \\ 0143 \end{bmatrix} \\
4087 &= \mathbf{PI}(3, 0, 5, 5, 6, 1) = L_{2063} = \begin{bmatrix} 1043 \\ 0132 \end{bmatrix} \\
4088 &= \mathbf{PI}(4, 0, 5, 5, 6, 1) = L_{1445} = \begin{bmatrix} 1032 \\ 0127 \end{bmatrix} \\
4089 &= \mathbf{PI}(5, 0, 5, 5, 6, 1) = L_{1136} = \begin{bmatrix} 1071 \\ 0115 \end{bmatrix} \\
4090 &= \mathbf{PI}(6, 0, 5, 5, 6, 1) = L_{4249} = \begin{bmatrix} 1027 \\ 0171 \end{bmatrix} \\
4091 &= \mathbf{PI}(7, 0, 5, 5, 6, 1) = L_{3907} = \begin{bmatrix} 1056 \\ 0164 \end{bmatrix} \\
4092 &= \mathbf{PI}(0, 1, 5, 5, 6, 1) = L_{4668} = \begin{bmatrix} 1707 \\ 0015 \end{bmatrix} \\
4093 &= \mathbf{PI}(0, 2, 5, 5, 6, 1) = L_{2332} = \begin{bmatrix} 1703 \\ 0015 \end{bmatrix} \\
4094 &= \mathbf{PI}(0, 3, 5, 5, 6, 1) = L_{2916} = \begin{bmatrix} 1704 \\ 0015 \end{bmatrix} \\
4095 &= \mathbf{PI}(0, 4, 5, 5, 6, 1) = L_{4084} = \begin{bmatrix} 1706 \\ 0015 \end{bmatrix} \\
4096 &= \mathbf{PI}(0, 5, 5, 5, 6, 1) = L_{1164} = \begin{bmatrix} 1701 \\ 0015 \end{bmatrix} \\
4097 &= \mathbf{PI}(0, 6, 5, 5, 6, 1) = L_{3500} = \begin{bmatrix} 1705 \\ 0015 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4098 &= \mathbf{PI}(0, 7, 5, 5, 6, 1) = L_{1748} = \begin{bmatrix} 1702 \\ 0015 \end{bmatrix} \\
4099 &= \mathbf{PI}(2, 1, 6, 5, 6, 1) = L_{2801} = \begin{bmatrix} 1064 \\ 0133 \end{bmatrix} \\
4100 &= \mathbf{PI}(1, 2, 6, 5, 6, 1) = L_{3047} = \begin{bmatrix} 1015 \\ 0166 \end{bmatrix} \\
4101 &= \mathbf{PI}(5, 3, 6, 5, 6, 1) = L_{1140} = \begin{bmatrix} 1071 \\ 0155 \end{bmatrix} \\
4102 &= \mathbf{PI}(6, 4, 6, 5, 6, 1) = L_{4243} = \begin{bmatrix} 1027 \\ 0111 \end{bmatrix} \\
4103 &= \mathbf{PI}(3, 5, 6, 5, 6, 1) = L_{2062} = \begin{bmatrix} 1043 \\ 0122 \end{bmatrix} \\
4104 &= \mathbf{PI}(4, 6, 6, 5, 6, 1) = L_{1450} = \begin{bmatrix} 1032 \\ 0177 \end{bmatrix} \\
4105 &= \mathbf{PI}(7, 7, 6, 5, 6, 1) = L_{3905} = \begin{bmatrix} 1056 \\ 0144 \end{bmatrix} \\
4106 &= \mathbf{PI}(7, 1, 7, 5, 6, 1) = L_{3902} = \begin{bmatrix} 1056 \\ 0114 \end{bmatrix} \\
4107 &= \mathbf{PI}(5, 2, 7, 5, 6, 1) = L_{1137} = \begin{bmatrix} 1071 \\ 0125 \end{bmatrix} \\
4108 &= \mathbf{PI}(6, 3, 7, 5, 6, 1) = L_{4245} = \begin{bmatrix} 1027 \\ 0131 \end{bmatrix} \\
4109 &= \mathbf{PI}(4, 4, 7, 5, 6, 1) = L_{1447} = \begin{bmatrix} 1032 \\ 0147 \end{bmatrix} \\
4110 &= \mathbf{PI}(2, 5, 7, 5, 6, 1) = L_{2803} = \begin{bmatrix} 1064 \\ 0153 \end{bmatrix} \\
4111 &= \mathbf{PI}(3, 6, 7, 5, 6, 1) = L_{2066} = \begin{bmatrix} 1043 \\ 0162 \end{bmatrix} \\
4112 &= \mathbf{PI}(1, 7, 7, 5, 6, 1) = L_{3048} = \begin{bmatrix} 1015 \\ 0176 \end{bmatrix} \\
4113 &= \mathbf{PI}(6, 1, 0, 6, 6, 1) = L_{738} = \begin{bmatrix} 1021 \\ 0101 \end{bmatrix} \\
4114 &= \mathbf{PI}(3, 2, 0, 6, 6, 1) = L_{1476} = \begin{bmatrix} 1042 \\ 0102 \end{bmatrix} \\
4115 &= \mathbf{PI}(2, 3, 0, 6, 6, 1) = L_{2214} = \begin{bmatrix} 1063 \\ 0103 \end{bmatrix} \\
4116 &= \mathbf{PI}(7, 4, 0, 6, 6, 1) = L_{2733} = \begin{bmatrix} 1054 \\ 0104 \end{bmatrix} \\
4117 &= \mathbf{PI}(5, 5, 0, 6, 6, 1) = L_{3471} = \begin{bmatrix} 1075 \\ 0105 \end{bmatrix} \\
4118 &= \mathbf{PI}(1, 6, 0, 6, 6, 1) = L_{3625} = \begin{bmatrix} 1016 \\ 0106 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4119 &= \mathbf{PI}(4, 7, 0, 6, 6, 1) = L_{4363} = \begin{bmatrix} 1037 \\ 0107 \end{bmatrix} \\
4120 &= \mathbf{PI}(0, 0, 1, 6, 6, 1) = L_{143} = \begin{bmatrix} 1100 \\ 0016 \end{bmatrix} \\
4121 &= \mathbf{PI}(1, 0, 1, 6, 6, 1) = L_{3626} = \begin{bmatrix} 1016 \\ 0116 \end{bmatrix} \\
4122 &= \mathbf{PI}(2, 0, 1, 6, 6, 1) = L_{2220} = \begin{bmatrix} 1063 \\ 0163 \end{bmatrix} \\
4123 &= \mathbf{PI}(3, 0, 1, 6, 6, 1) = L_{1480} = \begin{bmatrix} 1042 \\ 0142 \end{bmatrix} \\
4124 &= \mathbf{PI}(4, 0, 1, 6, 6, 1) = L_{4366} = \begin{bmatrix} 1037 \\ 0137 \end{bmatrix} \\
4125 &= \mathbf{PI}(5, 0, 1, 6, 6, 1) = L_{3478} = \begin{bmatrix} 1075 \\ 0175 \end{bmatrix} \\
4126 &= \mathbf{PI}(6, 0, 1, 6, 6, 1) = L_{740} = \begin{bmatrix} 1021 \\ 0121 \end{bmatrix} \\
4127 &= \mathbf{PI}(7, 0, 1, 6, 6, 1) = L_{2738} = \begin{bmatrix} 1054 \\ 0154 \end{bmatrix} \\
4128 &= \mathbf{PI}(0, 1, 1, 6, 6, 1) = L_{727} = \begin{bmatrix} 1101 \\ 0016 \end{bmatrix} \\
4129 &= \mathbf{PI}(0, 2, 1, 6, 6, 1) = L_{1311} = \begin{bmatrix} 1102 \\ 0016 \end{bmatrix} \\
4130 &= \mathbf{PI}(0, 3, 1, 6, 6, 1) = L_{1895} = \begin{bmatrix} 1103 \\ 0016 \end{bmatrix} \\
4131 &= \mathbf{PI}(0, 4, 1, 6, 6, 1) = L_{2479} = \begin{bmatrix} 1104 \\ 0016 \end{bmatrix} \\
4132 &= \mathbf{PI}(0, 5, 1, 6, 6, 1) = L_{3063} = \begin{bmatrix} 1105 \\ 0016 \end{bmatrix} \\
4133 &= \mathbf{PI}(0, 6, 1, 6, 6, 1) = L_{3647} = \begin{bmatrix} 1106 \\ 0016 \end{bmatrix} \\
4134 &= \mathbf{PI}(0, 7, 1, 6, 6, 1) = L_{4231} = \begin{bmatrix} 1107 \\ 0016 \end{bmatrix} \\
4135 &= \mathbf{PI}(7, 1, 2, 6, 6, 1) = L_{2740} = \begin{bmatrix} 1054 \\ 0174 \end{bmatrix} \\
4136 &= \mathbf{PI}(5, 2, 2, 6, 6, 1) = L_{3474} = \begin{bmatrix} 1075 \\ 0135 \end{bmatrix} \\
4137 &= \mathbf{PI}(6, 3, 2, 6, 6, 1) = L_{742} = \begin{bmatrix} 1021 \\ 0141 \end{bmatrix} \\
4138 &= \mathbf{PI}(4, 4, 2, 6, 6, 1) = L_{4369} = \begin{bmatrix} 1037 \\ 0167 \end{bmatrix} \\
4139 &= \mathbf{PI}(2, 5, 2, 6, 6, 1) = L_{2215} = \begin{bmatrix} 1063 \\ 0113 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4140 &= \mathbf{PI}(3, 6, 2, 6, 6, 1) = L_{1481} = \begin{bmatrix} 1042 \\ 0152 \end{bmatrix} \\
4141 &= \mathbf{PI}(1, 7, 2, 6, 6, 1) = L_{3627} = \begin{bmatrix} 1016 \\ 0126 \end{bmatrix} \\
4142 &= \mathbf{PI}(1, 1, 3, 6, 6, 1) = L_{3628} = \begin{bmatrix} 1016 \\ 0136 \end{bmatrix} \\
4143 &= \mathbf{PI}(6, 2, 3, 6, 6, 1) = L_{744} = \begin{bmatrix} 1021 \\ 0161 \end{bmatrix} \\
4144 &= \mathbf{PI}(4, 3, 3, 6, 6, 1) = L_{4368} = \begin{bmatrix} 1037 \\ 0157 \end{bmatrix} \\
4145 &= \mathbf{PI}(3, 4, 3, 6, 6, 1) = L_{1477} = \begin{bmatrix} 1042 \\ 0112 \end{bmatrix} \\
4146 &= \mathbf{PI}(7, 5, 3, 6, 6, 1) = L_{2735} = \begin{bmatrix} 1054 \\ 0124 \end{bmatrix} \\
4147 &= \mathbf{PI}(2, 6, 3, 6, 6, 1) = L_{2221} = \begin{bmatrix} 1063 \\ 0173 \end{bmatrix} \\
4148 &= \mathbf{PI}(5, 7, 3, 6, 6, 1) = L_{3475} = \begin{bmatrix} 1075 \\ 0145 \end{bmatrix} \\
4149 &= \mathbf{PI}(4, 1, 4, 6, 6, 1) = L_{4364} = \begin{bmatrix} 1037 \\ 0117 \end{bmatrix} \\
4150 &= \mathbf{PI}(2, 2, 4, 6, 6, 1) = L_{2216} = \begin{bmatrix} 1063 \\ 0123 \end{bmatrix} \\
4151 &= \mathbf{PI}(7, 3, 4, 6, 6, 1) = L_{2736} = \begin{bmatrix} 1054 \\ 0134 \end{bmatrix} \\
4152 &= \mathbf{PI}(1, 4, 4, 6, 6, 1) = L_{3629} = \begin{bmatrix} 1016 \\ 0146 \end{bmatrix} \\
4153 &= \mathbf{PI}(6, 5, 4, 6, 6, 1) = L_{743} = \begin{bmatrix} 1021 \\ 0151 \end{bmatrix} \\
4154 &= \mathbf{PI}(5, 6, 4, 6, 6, 1) = L_{3477} = \begin{bmatrix} 1075 \\ 0165 \end{bmatrix} \\
4155 &= \mathbf{PI}(3, 7, 4, 6, 6, 1) = L_{1483} = \begin{bmatrix} 1042 \\ 0172 \end{bmatrix} \\
4156 &= \mathbf{PI}(2, 1, 5, 6, 6, 1) = L_{2218} = \begin{bmatrix} 1063 \\ 0143 \end{bmatrix} \\
4157 &= \mathbf{PI}(1, 2, 5, 6, 6, 1) = L_{3630} = \begin{bmatrix} 1016 \\ 0156 \end{bmatrix} \\
4158 &= \mathbf{PI}(5, 3, 5, 6, 6, 1) = L_{3472} = \begin{bmatrix} 1075 \\ 0115 \end{bmatrix} \\
4159 &= \mathbf{PI}(6, 4, 5, 6, 6, 1) = L_{745} = \begin{bmatrix} 1021 \\ 0171 \end{bmatrix} \\
4160 &= \mathbf{PI}(3, 5, 5, 6, 6, 1) = L_{1479} = \begin{bmatrix} 1042 \\ 0132 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4161 &= \mathbf{PI}(4, 6, 5, 6, 6, 1) = L_{4365} = \begin{bmatrix} 1037 \\ 0127 \end{bmatrix} \\
4162 &= \mathbf{PI}(7, 7, 5, 6, 6, 1) = L_{2739} = \begin{bmatrix} 1054 \\ 0164 \end{bmatrix} \\
4163 &= \mathbf{PI}(5, 1, 6, 6, 6, 1) = L_{3476} = \begin{bmatrix} 1075 \\ 0155 \end{bmatrix} \\
4164 &= \mathbf{PI}(4, 2, 6, 6, 6, 1) = L_{4370} = \begin{bmatrix} 1037 \\ 0177 \end{bmatrix} \\
4165 &= \mathbf{PI}(3, 3, 6, 6, 6, 1) = L_{1478} = \begin{bmatrix} 1042 \\ 0122 \end{bmatrix} \\
4166 &= \mathbf{PI}(2, 4, 6, 6, 6, 1) = L_{2217} = \begin{bmatrix} 1063 \\ 0133 \end{bmatrix} \\
4167 &= \mathbf{PI}(1, 5, 6, 6, 6, 1) = L_{3631} = \begin{bmatrix} 1016 \\ 0166 \end{bmatrix} \\
4168 &= \mathbf{PI}(7, 6, 6, 6, 6, 1) = L_{2737} = \begin{bmatrix} 1054 \\ 0144 \end{bmatrix} \\
4169 &= \mathbf{PI}(6, 7, 6, 6, 6, 1) = L_{739} = \begin{bmatrix} 1021 \\ 0111 \end{bmatrix} \\
4170 &= \mathbf{PI}(3, 1, 7, 6, 6, 1) = L_{1482} = \begin{bmatrix} 1042 \\ 0162 \end{bmatrix} \\
4171 &= \mathbf{PI}(7, 2, 7, 6, 6, 1) = L_{2734} = \begin{bmatrix} 1054 \\ 0114 \end{bmatrix} \\
4172 &= \mathbf{PI}(1, 3, 7, 6, 6, 1) = L_{3632} = \begin{bmatrix} 1016 \\ 0176 \end{bmatrix} \\
4173 &= \mathbf{PI}(5, 4, 7, 6, 6, 1) = L_{3473} = \begin{bmatrix} 1075 \\ 0125 \end{bmatrix} \\
4174 &= \mathbf{PI}(4, 5, 7, 6, 6, 1) = L_{4367} = \begin{bmatrix} 1037 \\ 0147 \end{bmatrix} \\
4175 &= \mathbf{PI}(6, 6, 7, 6, 6, 1) = L_{741} = \begin{bmatrix} 1021 \\ 0131 \end{bmatrix} \\
4176 &= \mathbf{PI}(2, 7, 7, 6, 6, 1) = L_{2219} = \begin{bmatrix} 1063 \\ 0153 \end{bmatrix} \\
4177 &= \mathbf{PI}(6, 1, 0, 7, 6, 1) = L_{1906} = \begin{bmatrix} 1023 \\ 0101 \end{bmatrix} \\
4178 &= \mathbf{PI}(3, 2, 0, 7, 6, 1) = L_{3812} = \begin{bmatrix} 1046 \\ 0102 \end{bmatrix} \\
4179 &= \mathbf{PI}(2, 3, 0, 7, 6, 1) = L_{3382} = \begin{bmatrix} 1065 \\ 0103 \end{bmatrix} \\
4180 &= \mathbf{PI}(7, 4, 0, 7, 6, 1) = L_{981} = \begin{bmatrix} 1051 \\ 0104 \end{bmatrix} \\
4181 &= \mathbf{PI}(5, 5, 0, 7, 6, 1) = L_{1719} = \begin{bmatrix} 1072 \\ 0105 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4182 &= \mathbf{PI}(1, 6, 0, 7, 6, 1) = L_{4209} = \begin{bmatrix} 1017 \\ 0106 \end{bmatrix} \\
4183 &= \mathbf{PI}(4, 7, 0, 7, 6, 1) = L_{2611} = \begin{bmatrix} 1034 \\ 0107 \end{bmatrix} \\
4184 &= \mathbf{PI}(1, 1, 1, 7, 6, 1) = L_{4210} = \begin{bmatrix} 1017 \\ 0116 \end{bmatrix} \\
4185 &= \mathbf{PI}(6, 2, 1, 7, 6, 1) = L_{1908} = \begin{bmatrix} 1023 \\ 0121 \end{bmatrix} \\
4186 &= \mathbf{PI}(4, 3, 1, 7, 6, 1) = L_{2614} = \begin{bmatrix} 1034 \\ 0137 \end{bmatrix} \\
4187 &= \mathbf{PI}(3, 4, 1, 7, 6, 1) = L_{3816} = \begin{bmatrix} 1046 \\ 0142 \end{bmatrix} \\
4188 &= \mathbf{PI}(7, 5, 1, 7, 6, 1) = L_{986} = \begin{bmatrix} 1051 \\ 0154 \end{bmatrix} \\
4189 &= \mathbf{PI}(2, 6, 1, 7, 6, 1) = L_{3388} = \begin{bmatrix} 1065 \\ 0163 \end{bmatrix} \\
4190 &= \mathbf{PI}(5, 7, 1, 7, 6, 1) = L_{1726} = \begin{bmatrix} 1072 \\ 0175 \end{bmatrix} \\
4191 &= \mathbf{PI}(5, 1, 2, 7, 6, 1) = L_{1722} = \begin{bmatrix} 1072 \\ 0135 \end{bmatrix} \\
4192 &= \mathbf{PI}(4, 2, 2, 7, 6, 1) = L_{2617} = \begin{bmatrix} 1034 \\ 0167 \end{bmatrix} \\
4193 &= \mathbf{PI}(3, 3, 2, 7, 6, 1) = L_{3817} = \begin{bmatrix} 1046 \\ 0152 \end{bmatrix} \\
4194 &= \mathbf{PI}(2, 4, 2, 7, 6, 1) = L_{3383} = \begin{bmatrix} 1065 \\ 0113 \end{bmatrix} \\
4195 &= \mathbf{PI}(1, 5, 2, 7, 6, 1) = L_{4211} = \begin{bmatrix} 1017 \\ 0126 \end{bmatrix} \\
4196 &= \mathbf{PI}(7, 6, 2, 7, 6, 1) = L_{988} = \begin{bmatrix} 1051 \\ 0174 \end{bmatrix} \\
4197 &= \mathbf{PI}(6, 7, 2, 7, 6, 1) = L_{1910} = \begin{bmatrix} 1023 \\ 0141 \end{bmatrix} \\
4198 &= \mathbf{PI}(2, 1, 3, 7, 6, 1) = L_{3389} = \begin{bmatrix} 1065 \\ 0173 \end{bmatrix} \\
4199 &= \mathbf{PI}(1, 2, 3, 7, 6, 1) = L_{4212} = \begin{bmatrix} 1017 \\ 0136 \end{bmatrix} \\
4200 &= \mathbf{PI}(5, 3, 3, 7, 6, 1) = L_{1723} = \begin{bmatrix} 1072 \\ 0145 \end{bmatrix} \\
4201 &= \mathbf{PI}(6, 4, 3, 7, 6, 1) = L_{1912} = \begin{bmatrix} 1023 \\ 0161 \end{bmatrix} \\
4202 &= \mathbf{PI}(3, 5, 3, 7, 6, 1) = L_{3813} = \begin{bmatrix} 1046 \\ 0112 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
4203 &= \mathbf{PI}(4, 6, 3, 7, 6, 1) = L_{2616} = \begin{bmatrix} 1034 \\ 0157 \end{bmatrix} \\
4204 &= \mathbf{PI}(7, 7, 3, 7, 6, 1) = L_{983} = \begin{bmatrix} 1051 \\ 0124 \end{bmatrix} \\
4205 &= \mathbf{PI}(0, 0, 4, 7, 6, 1) = L_{290} = \begin{bmatrix} 1300 \\ 0017 \end{bmatrix} \\
4206 &= \mathbf{PI}(1, 0, 4, 7, 6, 1) = L_{4213} = \begin{bmatrix} 1017 \\ 0146 \end{bmatrix} \\
4207 &= \mathbf{PI}(2, 0, 4, 7, 6, 1) = L_{3384} = \begin{bmatrix} 1065 \\ 0123 \end{bmatrix} \\
4208 &= \mathbf{PI}(3, 0, 4, 7, 6, 1) = L_{3819} = \begin{bmatrix} 1046 \\ 0172 \end{bmatrix} \\
4209 &= \mathbf{PI}(4, 0, 4, 7, 6, 1) = L_{2612} = \begin{bmatrix} 1034 \\ 0117 \end{bmatrix} \\
4210 &= \mathbf{PI}(5, 0, 4, 7, 6, 1) = L_{1725} = \begin{bmatrix} 1072 \\ 0165 \end{bmatrix} \\
4211 &= \mathbf{PI}(6, 0, 4, 7, 6, 1) = L_{1911} = \begin{bmatrix} 1023 \\ 0151 \end{bmatrix} \\
4212 &= \mathbf{PI}(7, 0, 4, 7, 6, 1) = L_{984} = \begin{bmatrix} 1051 \\ 0134 \end{bmatrix} \\
4213 &= \mathbf{PI}(0, 1, 4, 7, 6, 1) = L_{2042} = \begin{bmatrix} 1303 \\ 0017 \end{bmatrix} \\
4214 &= \mathbf{PI}(0, 2, 4, 7, 6, 1) = L_{3794} = \begin{bmatrix} 1306 \\ 0017 \end{bmatrix} \\
4215 &= \mathbf{PI}(0, 3, 4, 7, 6, 1) = L_{3210} = \begin{bmatrix} 1305 \\ 0017 \end{bmatrix} \\
4216 &= \mathbf{PI}(0, 4, 4, 7, 6, 1) = L_{874} = \begin{bmatrix} 1301 \\ 0017 \end{bmatrix} \\
4217 &= \mathbf{PI}(0, 5, 4, 7, 6, 1) = L_{1458} = \begin{bmatrix} 1302 \\ 0017 \end{bmatrix} \\
4218 &= \mathbf{PI}(0, 6, 4, 7, 6, 1) = L_{4378} = \begin{bmatrix} 1307 \\ 0017 \end{bmatrix} \\
4219 &= \mathbf{PI}(0, 7, 4, 7, 6, 1) = L_{2626} = \begin{bmatrix} 1304 \\ 0017 \end{bmatrix} \\
4220 &= \mathbf{PI}(7, 1, 5, 7, 6, 1) = L_{987} = \begin{bmatrix} 1051 \\ 0164 \end{bmatrix} \\
4221 &= \mathbf{PI}(5, 2, 5, 7, 6, 1) = L_{1720} = \begin{bmatrix} 1072 \\ 0115 \end{bmatrix} \\
4222 &= \mathbf{PI}(6, 3, 5, 7, 6, 1) = L_{1913} = \begin{bmatrix} 1023 \\ 0171 \end{bmatrix} \\
4223 &= \mathbf{PI}(4, 4, 5, 7, 6, 1) = L_{2613} = \begin{bmatrix} 1034 \\ 0127 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4224 &= \mathbf{PI}(2, 5, 5, 7, 6, 1) = L_{3386} = \begin{bmatrix} 1065 \\ 0143 \end{bmatrix} \\
4225 &= \mathbf{PI}(3, 6, 5, 7, 6, 1) = L_{3815} = \begin{bmatrix} 1046 \\ 0132 \end{bmatrix} \\
4226 &= \mathbf{PI}(1, 7, 5, 7, 6, 1) = L_{4214} = \begin{bmatrix} 1017 \\ 0156 \end{bmatrix} \\
4227 &= \mathbf{PI}(3, 1, 6, 7, 6, 1) = L_{3814} = \begin{bmatrix} 1046 \\ 0122 \end{bmatrix} \\
4228 &= \mathbf{PI}(7, 2, 6, 7, 6, 1) = L_{985} = \begin{bmatrix} 1051 \\ 0144 \end{bmatrix} \\
4229 &= \mathbf{PI}(1, 3, 6, 7, 6, 1) = L_{4215} = \begin{bmatrix} 1017 \\ 0166 \end{bmatrix} \\
4230 &= \mathbf{PI}(5, 4, 6, 7, 6, 1) = L_{1724} = \begin{bmatrix} 1072 \\ 0155 \end{bmatrix} \\
4231 &= \mathbf{PI}(4, 5, 6, 7, 6, 1) = L_{2618} = \begin{bmatrix} 1034 \\ 0177 \end{bmatrix} \\
4232 &= \mathbf{PI}(6, 6, 6, 7, 6, 1) = L_{1907} = \begin{bmatrix} 1023 \\ 0111 \end{bmatrix} \\
4233 &= \mathbf{PI}(2, 7, 6, 7, 6, 1) = L_{3385} = \begin{bmatrix} 1065 \\ 0133 \end{bmatrix} \\
4234 &= \mathbf{PI}(4, 1, 7, 7, 6, 1) = L_{2615} = \begin{bmatrix} 1034 \\ 0147 \end{bmatrix} \\
4235 &= \mathbf{PI}(2, 2, 7, 7, 6, 1) = L_{3387} = \begin{bmatrix} 1065 \\ 0153 \end{bmatrix} \\
4236 &= \mathbf{PI}(7, 3, 7, 7, 6, 1) = L_{982} = \begin{bmatrix} 1051 \\ 0114 \end{bmatrix} \\
4237 &= \mathbf{PI}(1, 4, 7, 7, 6, 1) = L_{4216} = \begin{bmatrix} 1017 \\ 0176 \end{bmatrix} \\
4238 &= \mathbf{PI}(6, 5, 7, 7, 6, 1) = L_{1909} = \begin{bmatrix} 1023 \\ 0131 \end{bmatrix} \\
4239 &= \mathbf{PI}(5, 6, 7, 7, 6, 1) = L_{1721} = \begin{bmatrix} 1072 \\ 0125 \end{bmatrix} \\
4240 &= \mathbf{PI}(3, 7, 7, 7, 6, 1) = L_{3818} = \begin{bmatrix} 1046 \\ 0162 \end{bmatrix} \\
4241 &= \mathbf{PI}(7, 1, 0, 0, 7, 1) = L_{373} = \begin{bmatrix} 1050 \\ 0101 \end{bmatrix} \\
4242 &= \mathbf{PI}(5, 2, 0, 0, 7, 1) = L_{527} = \begin{bmatrix} 1070 \\ 0102 \end{bmatrix} \\
4243 &= \mathbf{PI}(6, 3, 0, 0, 7, 1) = L_{170} = \begin{bmatrix} 1020 \\ 0103 \end{bmatrix} \\
4244 &= \mathbf{PI}(4, 4, 0, 0, 7, 1) = L_{251} = \begin{bmatrix} 1030 \\ 0104 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4245 &= \mathbf{PI}(2, 5, 0, 0, 7, 1) = L_{478} = \begin{bmatrix} 1060 \\ 0105 \end{bmatrix} \\
4246 &= \mathbf{PI}(3, 6, 0, 0, 7, 1) = L_{340} = \begin{bmatrix} 1040 \\ 0106 \end{bmatrix} \\
4247 &= \mathbf{PI}(1, 7, 0, 0, 7, 1) = L_{129} = \begin{bmatrix} 1010 \\ 0107 \end{bmatrix} \\
4248 &= \mathbf{PI}(7, 1, 1, 0, 7, 1) = L_{378} = \begin{bmatrix} 1050 \\ 0151 \end{bmatrix} \\
4249 &= \mathbf{PI}(5, 2, 1, 0, 7, 1) = L_{534} = \begin{bmatrix} 1070 \\ 0172 \end{bmatrix} \\
4250 &= \mathbf{PI}(6, 3, 1, 0, 7, 1) = L_{172} = \begin{bmatrix} 1020 \\ 0123 \end{bmatrix} \\
4251 &= \mathbf{PI}(4, 4, 1, 0, 7, 1) = L_{254} = \begin{bmatrix} 1030 \\ 0134 \end{bmatrix} \\
4252 &= \mathbf{PI}(2, 5, 1, 0, 7, 1) = L_{484} = \begin{bmatrix} 1060 \\ 0165 \end{bmatrix} \\
4253 &= \mathbf{PI}(3, 6, 1, 0, 7, 1) = L_{344} = \begin{bmatrix} 1040 \\ 0146 \end{bmatrix} \\
4254 &= \mathbf{PI}(1, 7, 1, 0, 7, 1) = L_{130} = \begin{bmatrix} 1010 \\ 0117 \end{bmatrix} \\
4255 &= \mathbf{PI}(7, 1, 2, 0, 7, 1) = L_{380} = \begin{bmatrix} 1050 \\ 0171 \end{bmatrix} \\
4256 &= \mathbf{PI}(5, 2, 2, 0, 7, 1) = L_{530} = \begin{bmatrix} 1070 \\ 0132 \end{bmatrix} \\
4257 &= \mathbf{PI}(6, 3, 2, 0, 7, 1) = L_{174} = \begin{bmatrix} 1020 \\ 0143 \end{bmatrix} \\
4258 &= \mathbf{PI}(4, 4, 2, 0, 7, 1) = L_{257} = \begin{bmatrix} 1030 \\ 0164 \end{bmatrix} \\
4259 &= \mathbf{PI}(2, 5, 2, 0, 7, 1) = L_{479} = \begin{bmatrix} 1060 \\ 0115 \end{bmatrix} \\
4260 &= \mathbf{PI}(3, 6, 2, 0, 7, 1) = L_{345} = \begin{bmatrix} 1040 \\ 0156 \end{bmatrix} \\
4261 &= \mathbf{PI}(1, 7, 2, 0, 7, 1) = L_{131} = \begin{bmatrix} 1010 \\ 0127 \end{bmatrix} \\
4262 &= \mathbf{PI}(7, 1, 3, 0, 7, 1) = L_{375} = \begin{bmatrix} 1050 \\ 0121 \end{bmatrix} \\
4263 &= \mathbf{PI}(5, 2, 3, 0, 7, 1) = L_{531} = \begin{bmatrix} 1070 \\ 0142 \end{bmatrix} \\
4264 &= \mathbf{PI}(6, 3, 3, 0, 7, 1) = L_{176} = \begin{bmatrix} 1020 \\ 0163 \end{bmatrix} \\
4265 &= \mathbf{PI}(4, 4, 3, 0, 7, 1) = L_{256} = \begin{bmatrix} 1030 \\ 0154 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4266 &= \mathbf{PI}(2, 5, 3, 0, 7, 1) = L_{485} = \begin{bmatrix} 1060 \\ 0175 \end{bmatrix} \\
4267 &= \mathbf{PI}(3, 6, 3, 0, 7, 1) = L_{341} = \begin{bmatrix} 1040 \\ 0116 \end{bmatrix} \\
4268 &= \mathbf{PI}(1, 7, 3, 0, 7, 1) = L_{132} = \begin{bmatrix} 1010 \\ 0137 \end{bmatrix} \\
4269 &= \mathbf{PI}(7, 1, 4, 0, 7, 1) = L_{376} = \begin{bmatrix} 1050 \\ 0131 \end{bmatrix} \\
4270 &= \mathbf{PI}(5, 2, 4, 0, 7, 1) = L_{533} = \begin{bmatrix} 1070 \\ 0162 \end{bmatrix} \\
4271 &= \mathbf{PI}(6, 3, 4, 0, 7, 1) = L_{175} = \begin{bmatrix} 1020 \\ 0153 \end{bmatrix} \\
4272 &= \mathbf{PI}(4, 4, 4, 0, 7, 1) = L_{252} = \begin{bmatrix} 1030 \\ 0114 \end{bmatrix} \\
4273 &= \mathbf{PI}(2, 5, 4, 0, 7, 1) = L_{480} = \begin{bmatrix} 1060 \\ 0125 \end{bmatrix} \\
4274 &= \mathbf{PI}(3, 6, 4, 0, 7, 1) = L_{347} = \begin{bmatrix} 1040 \\ 0176 \end{bmatrix} \\
4275 &= \mathbf{PI}(1, 7, 4, 0, 7, 1) = L_{133} = \begin{bmatrix} 1010 \\ 0147 \end{bmatrix} \\
4276 &= \mathbf{PI}(7, 1, 5, 0, 7, 1) = L_{379} = \begin{bmatrix} 1050 \\ 0161 \end{bmatrix} \\
4277 &= \mathbf{PI}(5, 2, 5, 0, 7, 1) = L_{528} = \begin{bmatrix} 1070 \\ 0112 \end{bmatrix} \\
4278 &= \mathbf{PI}(6, 3, 5, 0, 7, 1) = L_{177} = \begin{bmatrix} 1020 \\ 0173 \end{bmatrix} \\
4279 &= \mathbf{PI}(4, 4, 5, 0, 7, 1) = L_{253} = \begin{bmatrix} 1030 \\ 0124 \end{bmatrix} \\
4280 &= \mathbf{PI}(2, 5, 5, 0, 7, 1) = L_{482} = \begin{bmatrix} 1060 \\ 0145 \end{bmatrix} \\
4281 &= \mathbf{PI}(3, 6, 5, 0, 7, 1) = L_{343} = \begin{bmatrix} 1040 \\ 0136 \end{bmatrix} \\
4282 &= \mathbf{PI}(1, 7, 5, 0, 7, 1) = L_{134} = \begin{bmatrix} 1010 \\ 0157 \end{bmatrix} \\
4283 &= \mathbf{PI}(7, 1, 6, 0, 7, 1) = L_{377} = \begin{bmatrix} 1050 \\ 0141 \end{bmatrix} \\
4284 &= \mathbf{PI}(5, 2, 6, 0, 7, 1) = L_{532} = \begin{bmatrix} 1070 \\ 0152 \end{bmatrix} \\
4285 &= \mathbf{PI}(6, 3, 6, 0, 7, 1) = L_{171} = \begin{bmatrix} 1020 \\ 0113 \end{bmatrix} \\
4286 &= \mathbf{PI}(4, 4, 6, 0, 7, 1) = L_{258} = \begin{bmatrix} 1030 \\ 0174 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4287 &= \mathbf{PI}(2, 5, 6, 0, 7, 1) = L_{481} = \begin{bmatrix} 1060 \\ 0135 \end{bmatrix} \\
4288 &= \mathbf{PI}(3, 6, 6, 0, 7, 1) = L_{342} = \begin{bmatrix} 1040 \\ 0126 \end{bmatrix} \\
4289 &= \mathbf{PI}(1, 7, 6, 0, 7, 1) = L_{135} = \begin{bmatrix} 1010 \\ 0167 \end{bmatrix} \\
4290 &= \mathbf{PI}(7, 1, 7, 0, 7, 1) = L_{374} = \begin{bmatrix} 1050 \\ 0111 \end{bmatrix} \\
4291 &= \mathbf{PI}(5, 2, 7, 0, 7, 1) = L_{529} = \begin{bmatrix} 1070 \\ 0122 \end{bmatrix} \\
4292 &= \mathbf{PI}(6, 3, 7, 0, 7, 1) = L_{173} = \begin{bmatrix} 1020 \\ 0133 \end{bmatrix} \\
4293 &= \mathbf{PI}(4, 4, 7, 0, 7, 1) = L_{255} = \begin{bmatrix} 1030 \\ 0144 \end{bmatrix} \\
4294 &= \mathbf{PI}(2, 5, 7, 0, 7, 1) = L_{483} = \begin{bmatrix} 1060 \\ 0155 \end{bmatrix} \\
4295 &= \mathbf{PI}(3, 6, 7, 0, 7, 1) = L_{346} = \begin{bmatrix} 1040 \\ 0166 \end{bmatrix} \\
4296 &= \mathbf{PI}(1, 7, 7, 0, 7, 1) = L_{136} = \begin{bmatrix} 1010 \\ 0177 \end{bmatrix} \\
4297 &= \mathbf{PI}(7, 1, 0, 1, 7, 1) = L_{3293} = \begin{bmatrix} 1055 \\ 0101 \end{bmatrix} \\
4298 &= \mathbf{PI}(5, 2, 0, 1, 7, 1) = L_{4615} = \begin{bmatrix} 1077 \\ 0102 \end{bmatrix} \\
4299 &= \mathbf{PI}(6, 3, 0, 1, 7, 1) = L_{1338} = \begin{bmatrix} 1022 \\ 0103 \end{bmatrix} \\
4300 &= \mathbf{PI}(4, 4, 0, 1, 7, 1) = L_{2003} = \begin{bmatrix} 1033 \\ 0104 \end{bmatrix} \\
4301 &= \mathbf{PI}(2, 5, 0, 1, 7, 1) = L_{3982} = \begin{bmatrix} 1066 \\ 0105 \end{bmatrix} \\
4302 &= \mathbf{PI}(3, 6, 0, 1, 7, 1) = L_{2676} = \begin{bmatrix} 1044 \\ 0106 \end{bmatrix} \\
4303 &= \mathbf{PI}(1, 7, 0, 1, 7, 1) = L_{713} = \begin{bmatrix} 1011 \\ 0107 \end{bmatrix} \\
4304 &= \mathbf{PI}(6, 1, 1, 1, 7, 1) = L_{1340} = \begin{bmatrix} 1022 \\ 0123 \end{bmatrix} \\
4305 &= \mathbf{PI}(3, 2, 1, 1, 7, 1) = L_{2680} = \begin{bmatrix} 1044 \\ 0146 \end{bmatrix} \\
4306 &= \mathbf{PI}(2, 3, 1, 1, 7, 1) = L_{3988} = \begin{bmatrix} 1066 \\ 0165 \end{bmatrix} \\
4307 &= \mathbf{PI}(7, 4, 1, 1, 7, 1) = L_{3298} = \begin{bmatrix} 1055 \\ 0151 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4308 &= \mathbf{PI}(5, 5, 1, 1, 7, 1) = L_{4622} = \begin{bmatrix} 1077 \\ 0172 \end{bmatrix} \\
4309 &= \mathbf{PI}(1, 6, 1, 1, 7, 1) = L_{714} = \begin{bmatrix} 1011 \\ 0117 \end{bmatrix} \\
4310 &= \mathbf{PI}(4, 7, 1, 1, 7, 1) = L_{2006} = \begin{bmatrix} 1033 \\ 0134 \end{bmatrix} \\
4311 &= \mathbf{PI}(5, 1, 2, 1, 7, 1) = L_{4618} = \begin{bmatrix} 1077 \\ 0132 \end{bmatrix} \\
4312 &= \mathbf{PI}(4, 2, 2, 1, 7, 1) = L_{2009} = \begin{bmatrix} 1033 \\ 0164 \end{bmatrix} \\
4313 &= \mathbf{PI}(3, 3, 2, 1, 7, 1) = L_{2681} = \begin{bmatrix} 1044 \\ 0156 \end{bmatrix} \\
4314 &= \mathbf{PI}(2, 4, 2, 1, 7, 1) = L_{3983} = \begin{bmatrix} 1066 \\ 0115 \end{bmatrix} \\
4315 &= \mathbf{PI}(1, 5, 2, 1, 7, 1) = L_{715} = \begin{bmatrix} 1011 \\ 0127 \end{bmatrix} \\
4316 &= \mathbf{PI}(7, 6, 2, 1, 7, 1) = L_{3300} = \begin{bmatrix} 1055 \\ 0171 \end{bmatrix} \\
4317 &= \mathbf{PI}(6, 7, 2, 1, 7, 1) = L_{1342} = \begin{bmatrix} 1022 \\ 0143 \end{bmatrix} \\
4318 &= \mathbf{PI}(4, 1, 3, 1, 7, 1) = L_{2008} = \begin{bmatrix} 1033 \\ 0154 \end{bmatrix} \\
4319 &= \mathbf{PI}(2, 2, 3, 1, 7, 1) = L_{3989} = \begin{bmatrix} 1066 \\ 0175 \end{bmatrix} \\
4320 &= \mathbf{PI}(7, 3, 3, 1, 7, 1) = L_{3295} = \begin{bmatrix} 1055 \\ 0121 \end{bmatrix} \\
4321 &= \mathbf{PI}(1, 4, 3, 1, 7, 1) = L_{716} = \begin{bmatrix} 1011 \\ 0137 \end{bmatrix} \\
4322 &= \mathbf{PI}(6, 5, 3, 1, 7, 1) = L_{1344} = \begin{bmatrix} 1022 \\ 0163 \end{bmatrix} \\
4323 &= \mathbf{PI}(5, 6, 3, 1, 7, 1) = L_{4619} = \begin{bmatrix} 1077 \\ 0142 \end{bmatrix} \\
4324 &= \mathbf{PI}(3, 7, 3, 1, 7, 1) = L_{2677} = \begin{bmatrix} 1044 \\ 0116 \end{bmatrix} \\
4325 &= \mathbf{PI}(3, 1, 4, 1, 7, 1) = L_{2683} = \begin{bmatrix} 1044 \\ 0176 \end{bmatrix} \\
4326 &= \mathbf{PI}(7, 2, 4, 1, 7, 1) = L_{3296} = \begin{bmatrix} 1055 \\ 0131 \end{bmatrix} \\
4327 &= \mathbf{PI}(1, 3, 4, 1, 7, 1) = L_{717} = \begin{bmatrix} 1011 \\ 0147 \end{bmatrix} \\
4328 &= \mathbf{PI}(5, 4, 4, 1, 7, 1) = L_{4621} = \begin{bmatrix} 1077 \\ 0162 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4329 &= \mathbf{PI}(4, 5, 4, 1, 7, 1) = L_{2004} = \begin{bmatrix} 1033 \\ 0114 \end{bmatrix} \\
4330 &= \mathbf{PI}(6, 6, 4, 1, 7, 1) = L_{1343} = \begin{bmatrix} 1022 \\ 0153 \end{bmatrix} \\
4331 &= \mathbf{PI}(2, 7, 4, 1, 7, 1) = L_{3984} = \begin{bmatrix} 1066 \\ 0125 \end{bmatrix} \\
4332 &= \mathbf{PI}(2, 1, 5, 1, 7, 1) = L_{3986} = \begin{bmatrix} 1066 \\ 0145 \end{bmatrix} \\
4333 &= \mathbf{PI}(1, 2, 5, 1, 7, 1) = L_{718} = \begin{bmatrix} 1011 \\ 0157 \end{bmatrix} \\
4334 &= \mathbf{PI}(5, 3, 5, 1, 7, 1) = L_{4616} = \begin{bmatrix} 1077 \\ 0112 \end{bmatrix} \\
4335 &= \mathbf{PI}(6, 4, 5, 1, 7, 1) = L_{1345} = \begin{bmatrix} 1022 \\ 0173 \end{bmatrix} \\
4336 &= \mathbf{PI}(3, 5, 5, 1, 7, 1) = L_{2679} = \begin{bmatrix} 1044 \\ 0136 \end{bmatrix} \\
4337 &= \mathbf{PI}(4, 6, 5, 1, 7, 1) = L_{2005} = \begin{bmatrix} 1033 \\ 0124 \end{bmatrix} \\
4338 &= \mathbf{PI}(7, 7, 5, 1, 7, 1) = L_{3299} = \begin{bmatrix} 1055 \\ 0161 \end{bmatrix} \\
4339 &= \mathbf{PI}(1, 1, 6, 1, 7, 1) = L_{719} = \begin{bmatrix} 1011 \\ 0167 \end{bmatrix} \\
4340 &= \mathbf{PI}(6, 2, 6, 1, 7, 1) = L_{1339} = \begin{bmatrix} 1022 \\ 0113 \end{bmatrix} \\
4341 &= \mathbf{PI}(4, 3, 6, 1, 7, 1) = L_{2010} = \begin{bmatrix} 1033 \\ 0174 \end{bmatrix} \\
4342 &= \mathbf{PI}(3, 4, 6, 1, 7, 1) = L_{2678} = \begin{bmatrix} 1044 \\ 0126 \end{bmatrix} \\
4343 &= \mathbf{PI}(7, 5, 6, 1, 7, 1) = L_{3297} = \begin{bmatrix} 1055 \\ 0141 \end{bmatrix} \\
4344 &= \mathbf{PI}(2, 6, 6, 1, 7, 1) = L_{3985} = \begin{bmatrix} 1066 \\ 0135 \end{bmatrix} \\
4345 &= \mathbf{PI}(5, 7, 6, 1, 7, 1) = L_{4620} = \begin{bmatrix} 1077 \\ 0152 \end{bmatrix} \\
4346 &= \mathbf{PI}(0, 0, 7, 1, 7, 1) = L_{430} = \begin{bmatrix} 1500 \\ 0011 \end{bmatrix} \\
4347 &= \mathbf{PI}(1, 0, 7, 1, 7, 1) = L_{720} = \begin{bmatrix} 1011 \\ 0177 \end{bmatrix} \\
4348 &= \mathbf{PI}(2, 0, 7, 1, 7, 1) = L_{3987} = \begin{bmatrix} 1066 \\ 0155 \end{bmatrix} \\
4349 &= \mathbf{PI}(3, 0, 7, 1, 7, 1) = L_{2682} = \begin{bmatrix} 1044 \\ 0166 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4350 &= \mathbf{PI}(4, 0, 7, 1, 7, 1) = L_{2007} = \begin{bmatrix} 1033 \\ 0144 \end{bmatrix} \\
4351 &= \mathbf{PI}(5, 0, 7, 1, 7, 1) = L_{4617} = \begin{bmatrix} 1077 \\ 0122 \end{bmatrix} \\
4352 &= \mathbf{PI}(6, 0, 7, 1, 7, 1) = L_{1341} = \begin{bmatrix} 1022 \\ 0133 \end{bmatrix} \\
4353 &= \mathbf{PI}(7, 0, 7, 1, 7, 1) = L_{3294} = \begin{bmatrix} 1055 \\ 0111 \end{bmatrix} \\
4354 &= \mathbf{PI}(0, 1, 7, 1, 7, 1) = L_{3350} = \begin{bmatrix} 1505 \\ 0011 \end{bmatrix} \\
4355 &= \mathbf{PI}(0, 2, 7, 1, 7, 1) = L_{4518} = \begin{bmatrix} 1507 \\ 0011 \end{bmatrix} \\
4356 &= \mathbf{PI}(0, 3, 7, 1, 7, 1) = L_{1598} = \begin{bmatrix} 1502 \\ 0011 \end{bmatrix} \\
4357 &= \mathbf{PI}(0, 4, 7, 1, 7, 1) = L_{2182} = \begin{bmatrix} 1503 \\ 0011 \end{bmatrix} \\
4358 &= \mathbf{PI}(0, 5, 7, 1, 7, 1) = L_{3934} = \begin{bmatrix} 1506 \\ 0011 \end{bmatrix} \\
4359 &= \mathbf{PI}(0, 6, 7, 1, 7, 1) = L_{2766} = \begin{bmatrix} 1504 \\ 0011 \end{bmatrix} \\
4360 &= \mathbf{PI}(0, 7, 7, 1, 7, 1) = L_{1014} = \begin{bmatrix} 1501 \\ 0011 \end{bmatrix} \\
4361 &= \mathbf{PI}(7, 1, 0, 2, 7, 1) = L_{4461} = \begin{bmatrix} 1057 \\ 0101 \end{bmatrix} \\
4362 &= \mathbf{PI}(5, 2, 0, 2, 7, 1) = L_{2279} = \begin{bmatrix} 1073 \\ 0102 \end{bmatrix} \\
4363 &= \mathbf{PI}(6, 3, 0, 2, 7, 1) = L_{2506} = \begin{bmatrix} 1024 \\ 0103 \end{bmatrix} \\
4364 &= \mathbf{PI}(4, 4, 0, 2, 7, 1) = L_{3755} = \begin{bmatrix} 1036 \\ 0104 \end{bmatrix} \\
4365 &= \mathbf{PI}(2, 5, 0, 2, 7, 1) = L_{1062} = \begin{bmatrix} 1061 \\ 0105 \end{bmatrix} \\
4366 &= \mathbf{PI}(3, 6, 0, 2, 7, 1) = L_{3260} = \begin{bmatrix} 1045 \\ 0106 \end{bmatrix} \\
4367 &= \mathbf{PI}(1, 7, 0, 2, 7, 1) = L_{1297} = \begin{bmatrix} 1012 \\ 0107 \end{bmatrix} \\
4368 &= \mathbf{PI}(5, 1, 1, 2, 7, 1) = L_{2286} = \begin{bmatrix} 1073 \\ 0172 \end{bmatrix} \\
4369 &= \mathbf{PI}(4, 2, 1, 2, 7, 1) = L_{3758} = \begin{bmatrix} 1036 \\ 0134 \end{bmatrix} \\
4370 &= \mathbf{PI}(3, 3, 1, 2, 7, 1) = L_{3264} = \begin{bmatrix} 1045 \\ 0146 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
4371 &= \mathbf{PI}(2, 4, 1, 2, 7, 1) = L_{1068} = \begin{bmatrix} 1061 \\ 0165 \end{bmatrix} \\
4372 &= \mathbf{PI}(1, 5, 1, 2, 7, 1) = L_{1298} = \begin{bmatrix} 1012 \\ 0117 \end{bmatrix} \\
4373 &= \mathbf{PI}(7, 6, 1, 2, 7, 1) = L_{4466} = \begin{bmatrix} 1057 \\ 0151 \end{bmatrix} \\
4374 &= \mathbf{PI}(6, 7, 1, 2, 7, 1) = L_{2508} = \begin{bmatrix} 1024 \\ 0123 \end{bmatrix} \\
4375 &= \mathbf{PI}(3, 1, 2, 2, 7, 1) = L_{3265} = \begin{bmatrix} 1045 \\ 0156 \end{bmatrix} \\
4376 &= \mathbf{PI}(7, 2, 2, 2, 7, 1) = L_{4468} = \begin{bmatrix} 1057 \\ 0171 \end{bmatrix} \\
4377 &= \mathbf{PI}(1, 3, 2, 2, 7, 1) = L_{1299} = \begin{bmatrix} 1012 \\ 0127 \end{bmatrix} \\
4378 &= \mathbf{PI}(5, 4, 2, 2, 7, 1) = L_{2282} = \begin{bmatrix} 1073 \\ 0132 \end{bmatrix} \\
4379 &= \mathbf{PI}(4, 5, 2, 2, 7, 1) = L_{3761} = \begin{bmatrix} 1036 \\ 0164 \end{bmatrix} \\
4380 &= \mathbf{PI}(6, 6, 2, 2, 7, 1) = L_{2510} = \begin{bmatrix} 1024 \\ 0143 \end{bmatrix} \\
4381 &= \mathbf{PI}(2, 7, 2, 2, 7, 1) = L_{1063} = \begin{bmatrix} 1061 \\ 0115 \end{bmatrix} \\
4382 &= \mathbf{PI}(1, 1, 3, 2, 7, 1) = L_{1300} = \begin{bmatrix} 1012 \\ 0137 \end{bmatrix} \\
4383 &= \mathbf{PI}(6, 2, 3, 2, 7, 1) = L_{2512} = \begin{bmatrix} 1024 \\ 0163 \end{bmatrix} \\
4384 &= \mathbf{PI}(4, 3, 3, 2, 7, 1) = L_{3760} = \begin{bmatrix} 1036 \\ 0154 \end{bmatrix} \\
4385 &= \mathbf{PI}(3, 4, 3, 2, 7, 1) = L_{3261} = \begin{bmatrix} 1045 \\ 0116 \end{bmatrix} \\
4386 &= \mathbf{PI}(7, 5, 3, 2, 7, 1) = L_{4463} = \begin{bmatrix} 1057 \\ 0121 \end{bmatrix} \\
4387 &= \mathbf{PI}(2, 6, 3, 2, 7, 1) = L_{1069} = \begin{bmatrix} 1061 \\ 0175 \end{bmatrix} \\
4388 &= \mathbf{PI}(5, 7, 3, 2, 7, 1) = L_{2283} = \begin{bmatrix} 1073 \\ 0142 \end{bmatrix} \\
4389 &= \mathbf{PI}(2, 1, 4, 2, 7, 1) = L_{1064} = \begin{bmatrix} 1061 \\ 0125 \end{bmatrix} \\
4390 &= \mathbf{PI}(1, 2, 4, 2, 7, 1) = L_{1301} = \begin{bmatrix} 1012 \\ 0147 \end{bmatrix} \\
4391 &= \mathbf{PI}(5, 3, 4, 2, 7, 1) = L_{2285} = \begin{bmatrix} 1073 \\ 0162 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4392 &= \mathbf{PI}(6, 4, 4, 2, 7, 1) = L_{2511} = \begin{bmatrix} 1024 \\ 0153 \end{bmatrix} \\
4393 &= \mathbf{PI}(3, 5, 4, 2, 7, 1) = L_{3267} = \begin{bmatrix} 1045 \\ 0176 \end{bmatrix} \\
4394 &= \mathbf{PI}(4, 6, 4, 2, 7, 1) = L_{3756} = \begin{bmatrix} 1036 \\ 0114 \end{bmatrix} \\
4395 &= \mathbf{PI}(7, 7, 4, 2, 7, 1) = L_{4464} = \begin{bmatrix} 1057 \\ 0131 \end{bmatrix} \\
4396 &= \mathbf{PI}(0, 0, 5, 2, 7, 1) = L_{577} = \begin{bmatrix} 1700 \\ 0012 \end{bmatrix} \\
4397 &= \mathbf{PI}(1, 0, 5, 2, 7, 1) = L_{1302} = \begin{bmatrix} 1012 \\ 0157 \end{bmatrix} \\
4398 &= \mathbf{PI}(2, 0, 5, 2, 7, 1) = L_{1066} = \begin{bmatrix} 1061 \\ 0145 \end{bmatrix} \\
4399 &= \mathbf{PI}(3, 0, 5, 2, 7, 1) = L_{3263} = \begin{bmatrix} 1045 \\ 0136 \end{bmatrix} \\
4400 &= \mathbf{PI}(4, 0, 5, 2, 7, 1) = L_{3757} = \begin{bmatrix} 1036 \\ 0124 \end{bmatrix} \\
4401 &= \mathbf{PI}(5, 0, 5, 2, 7, 1) = L_{2280} = \begin{bmatrix} 1073 \\ 0112 \end{bmatrix} \\
4402 &= \mathbf{PI}(6, 0, 5, 2, 7, 1) = L_{2513} = \begin{bmatrix} 1024 \\ 0173 \end{bmatrix} \\
4403 &= \mathbf{PI}(7, 0, 5, 2, 7, 1) = L_{4467} = \begin{bmatrix} 1057 \\ 0161 \end{bmatrix} \\
4404 &= \mathbf{PI}(0, 1, 5, 2, 7, 1) = L_{4665} = \begin{bmatrix} 1707 \\ 0012 \end{bmatrix} \\
4405 &= \mathbf{PI}(0, 2, 5, 2, 7, 1) = L_{2329} = \begin{bmatrix} 1703 \\ 0012 \end{bmatrix} \\
4406 &= \mathbf{PI}(0, 3, 5, 2, 7, 1) = L_{2913} = \begin{bmatrix} 1704 \\ 0012 \end{bmatrix} \\
4407 &= \mathbf{PI}(0, 4, 5, 2, 7, 1) = L_{4081} = \begin{bmatrix} 1706 \\ 0012 \end{bmatrix} \\
4408 &= \mathbf{PI}(0, 5, 5, 2, 7, 1) = L_{1161} = \begin{bmatrix} 1701 \\ 0012 \end{bmatrix} \\
4409 &= \mathbf{PI}(0, 6, 5, 2, 7, 1) = L_{3497} = \begin{bmatrix} 1705 \\ 0012 \end{bmatrix} \\
4410 &= \mathbf{PI}(0, 7, 5, 2, 7, 1) = L_{1745} = \begin{bmatrix} 1702 \\ 0012 \end{bmatrix} \\
4411 &= \mathbf{PI}(6, 1, 6, 2, 7, 1) = L_{2507} = \begin{bmatrix} 1024 \\ 0113 \end{bmatrix} \\
4412 &= \mathbf{PI}(3, 2, 6, 2, 7, 1) = L_{3262} = \begin{bmatrix} 1045 \\ 0126 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4413 &= \mathbf{PI}(2, 3, 6, 2, 7, 1) = L_{1065} = \begin{bmatrix} 1061 \\ 0135 \end{bmatrix} \\
4414 &= \mathbf{PI}(7, 4, 6, 2, 7, 1) = L_{4465} = \begin{bmatrix} 1057 \\ 0141 \end{bmatrix} \\
4415 &= \mathbf{PI}(5, 5, 6, 2, 7, 1) = L_{2284} = \begin{bmatrix} 1073 \\ 0152 \end{bmatrix} \\
4416 &= \mathbf{PI}(1, 6, 6, 2, 7, 1) = L_{1303} = \begin{bmatrix} 1012 \\ 0167 \end{bmatrix} \\
4417 &= \mathbf{PI}(4, 7, 6, 2, 7, 1) = L_{3762} = \begin{bmatrix} 1036 \\ 0174 \end{bmatrix} \\
4418 &= \mathbf{PI}(4, 1, 7, 2, 7, 1) = L_{3759} = \begin{bmatrix} 1036 \\ 0144 \end{bmatrix} \\
4419 &= \mathbf{PI}(2, 2, 7, 2, 7, 1) = L_{1067} = \begin{bmatrix} 1061 \\ 0155 \end{bmatrix} \\
4420 &= \mathbf{PI}(7, 3, 7, 2, 7, 1) = L_{4462} = \begin{bmatrix} 1057 \\ 0111 \end{bmatrix} \\
4421 &= \mathbf{PI}(1, 4, 7, 2, 7, 1) = L_{1304} = \begin{bmatrix} 1012 \\ 0177 \end{bmatrix} \\
4422 &= \mathbf{PI}(6, 5, 7, 2, 7, 1) = L_{2509} = \begin{bmatrix} 1024 \\ 0133 \end{bmatrix} \\
4423 &= \mathbf{PI}(5, 6, 7, 2, 7, 1) = L_{2281} = \begin{bmatrix} 1073 \\ 0122 \end{bmatrix} \\
4424 &= \mathbf{PI}(3, 7, 7, 2, 7, 1) = L_{3266} = \begin{bmatrix} 1045 \\ 0166 \end{bmatrix} \\
4425 &= \mathbf{PI}(7, 1, 0, 3, 7, 1) = L_{1541} = \begin{bmatrix} 1052 \\ 0101 \end{bmatrix} \\
4426 &= \mathbf{PI}(5, 2, 0, 3, 7, 1) = L_{2863} = \begin{bmatrix} 1074 \\ 0102 \end{bmatrix} \\
4427 &= \mathbf{PI}(6, 3, 0, 3, 7, 1) = L_{3674} = \begin{bmatrix} 1026 \\ 0103 \end{bmatrix} \\
4428 &= \mathbf{PI}(4, 4, 0, 3, 7, 1) = L_{3171} = \begin{bmatrix} 1035 \\ 0104 \end{bmatrix} \\
4429 &= \mathbf{PI}(2, 5, 0, 3, 7, 1) = L_{4566} = \begin{bmatrix} 1067 \\ 0105 \end{bmatrix} \\
4430 &= \mathbf{PI}(3, 6, 0, 3, 7, 1) = L_{924} = \begin{bmatrix} 1041 \\ 0106 \end{bmatrix} \\
4431 &= \mathbf{PI}(1, 7, 0, 3, 7, 1) = L_{1881} = \begin{bmatrix} 1013 \\ 0107 \end{bmatrix} \\
4432 &= \mathbf{PI}(4, 1, 1, 3, 7, 1) = L_{3174} = \begin{bmatrix} 1035 \\ 0134 \end{bmatrix} \\
4433 &= \mathbf{PI}(2, 2, 1, 3, 7, 1) = L_{4572} = \begin{bmatrix} 1067 \\ 0165 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4434 &= \mathbf{PI}(7, 3, 1, 3, 7, 1) = L_{1546} = \begin{bmatrix} 1052 \\ 0151 \end{bmatrix} \\
4435 &= \mathbf{PI}(1, 4, 1, 3, 7, 1) = L_{1882} = \begin{bmatrix} 1013 \\ 0117 \end{bmatrix} \\
4436 &= \mathbf{PI}(6, 5, 1, 3, 7, 1) = L_{3676} = \begin{bmatrix} 1026 \\ 0123 \end{bmatrix} \\
4437 &= \mathbf{PI}(5, 6, 1, 3, 7, 1) = L_{2870} = \begin{bmatrix} 1074 \\ 0172 \end{bmatrix} \\
4438 &= \mathbf{PI}(3, 7, 1, 3, 7, 1) = L_{928} = \begin{bmatrix} 1041 \\ 0146 \end{bmatrix} \\
4439 &= \mathbf{PI}(1, 1, 2, 3, 7, 1) = L_{1883} = \begin{bmatrix} 1013 \\ 0127 \end{bmatrix} \\
4440 &= \mathbf{PI}(6, 2, 2, 3, 7, 1) = L_{3678} = \begin{bmatrix} 1026 \\ 0143 \end{bmatrix} \\
4441 &= \mathbf{PI}(4, 3, 2, 3, 7, 1) = L_{3177} = \begin{bmatrix} 1035 \\ 0164 \end{bmatrix} \\
4442 &= \mathbf{PI}(3, 4, 2, 3, 7, 1) = L_{929} = \begin{bmatrix} 1041 \\ 0156 \end{bmatrix} \\
4443 &= \mathbf{PI}(7, 5, 2, 3, 7, 1) = L_{1548} = \begin{bmatrix} 1052 \\ 0171 \end{bmatrix} \\
4444 &= \mathbf{PI}(2, 6, 2, 3, 7, 1) = L_{4567} = \begin{bmatrix} 1067 \\ 0115 \end{bmatrix} \\
4445 &= \mathbf{PI}(5, 7, 2, 3, 7, 1) = L_{2866} = \begin{bmatrix} 1074 \\ 0132 \end{bmatrix} \\
4446 &= \mathbf{PI}(2, 1, 3, 3, 7, 1) = L_{4573} = \begin{bmatrix} 1067 \\ 0175 \end{bmatrix} \\
4447 &= \mathbf{PI}(1, 2, 3, 3, 7, 1) = L_{1884} = \begin{bmatrix} 1013 \\ 0137 \end{bmatrix} \\
4448 &= \mathbf{PI}(5, 3, 3, 3, 7, 1) = L_{2867} = \begin{bmatrix} 1074 \\ 0142 \end{bmatrix} \\
4449 &= \mathbf{PI}(6, 4, 3, 3, 7, 1) = L_{3680} = \begin{bmatrix} 1026 \\ 0163 \end{bmatrix} \\
4450 &= \mathbf{PI}(3, 5, 3, 3, 7, 1) = L_{925} = \begin{bmatrix} 1041 \\ 0116 \end{bmatrix} \\
4451 &= \mathbf{PI}(4, 6, 3, 3, 7, 1) = L_{3176} = \begin{bmatrix} 1035 \\ 0154 \end{bmatrix} \\
4452 &= \mathbf{PI}(7, 7, 3, 3, 7, 1) = L_{1543} = \begin{bmatrix} 1052 \\ 0121 \end{bmatrix} \\
4453 &= \mathbf{PI}(6, 1, 4, 3, 7, 1) = L_{3679} = \begin{bmatrix} 1026 \\ 0153 \end{bmatrix} \\
4454 &= \mathbf{PI}(3, 2, 4, 3, 7, 1) = L_{931} = \begin{bmatrix} 1041 \\ 0176 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4455 &= \mathbf{PI}(2, 3, 4, 3, 7, 1) = L_{4568} = \begin{bmatrix} 1067 \\ 0125 \end{bmatrix} \\
4456 &= \mathbf{PI}(7, 4, 4, 3, 7, 1) = L_{1544} = \begin{bmatrix} 1052 \\ 0131 \end{bmatrix} \\
4457 &= \mathbf{PI}(5, 5, 4, 3, 7, 1) = L_{2869} = \begin{bmatrix} 1074 \\ 0162 \end{bmatrix} \\
4458 &= \mathbf{PI}(1, 6, 4, 3, 7, 1) = L_{1885} = \begin{bmatrix} 1013 \\ 0147 \end{bmatrix} \\
4459 &= \mathbf{PI}(4, 7, 4, 3, 7, 1) = L_{3172} = \begin{bmatrix} 1035 \\ 0114 \end{bmatrix} \\
4460 &= \mathbf{PI}(5, 1, 5, 3, 7, 1) = L_{2864} = \begin{bmatrix} 1074 \\ 0112 \end{bmatrix} \\
4461 &= \mathbf{PI}(4, 2, 5, 3, 7, 1) = L_{3173} = \begin{bmatrix} 1035 \\ 0124 \end{bmatrix} \\
4462 &= \mathbf{PI}(3, 3, 5, 3, 7, 1) = L_{927} = \begin{bmatrix} 1041 \\ 0136 \end{bmatrix} \\
4463 &= \mathbf{PI}(2, 4, 5, 3, 7, 1) = L_{4570} = \begin{bmatrix} 1067 \\ 0145 \end{bmatrix} \\
4464 &= \mathbf{PI}(1, 5, 5, 3, 7, 1) = L_{1886} = \begin{bmatrix} 1013 \\ 0157 \end{bmatrix} \\
4465 &= \mathbf{PI}(7, 6, 5, 3, 7, 1) = L_{1547} = \begin{bmatrix} 1052 \\ 0161 \end{bmatrix} \\
4466 &= \mathbf{PI}(6, 7, 5, 3, 7, 1) = L_{3681} = \begin{bmatrix} 1026 \\ 0173 \end{bmatrix} \\
4467 &= \mathbf{PI}(0, 0, 6, 3, 7, 1) = L_{213} = \begin{bmatrix} 1200 \\ 0013 \end{bmatrix} \\
4468 &= \mathbf{PI}(1, 0, 6, 3, 7, 1) = L_{1887} = \begin{bmatrix} 1013 \\ 0167 \end{bmatrix} \\
4469 &= \mathbf{PI}(2, 0, 6, 3, 7, 1) = L_{4569} = \begin{bmatrix} 1067 \\ 0135 \end{bmatrix} \\
4470 &= \mathbf{PI}(3, 0, 6, 3, 7, 1) = L_{926} = \begin{bmatrix} 1041 \\ 0126 \end{bmatrix} \\
4471 &= \mathbf{PI}(4, 0, 6, 3, 7, 1) = L_{3178} = \begin{bmatrix} 1035 \\ 0174 \end{bmatrix} \\
4472 &= \mathbf{PI}(5, 0, 6, 3, 7, 1) = L_{2868} = \begin{bmatrix} 1074 \\ 0152 \end{bmatrix} \\
4473 &= \mathbf{PI}(6, 0, 6, 3, 7, 1) = L_{3675} = \begin{bmatrix} 1026 \\ 0113 \end{bmatrix} \\
4474 &= \mathbf{PI}(7, 0, 6, 3, 7, 1) = L_{1545} = \begin{bmatrix} 1052 \\ 0141 \end{bmatrix} \\
4475 &= \mathbf{PI}(0, 1, 6, 3, 7, 1) = L_{1381} = \begin{bmatrix} 1202 \\ 0013 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4476 &= \mathbf{PI}(0, 2, 6, 3, 7, 1) = L_{2549} = \begin{bmatrix} 1204 \\ 0013 \end{bmatrix} \\
4477 &= \mathbf{PI}(0, 3, 6, 3, 7, 1) = L_{3717} = \begin{bmatrix} 1206 \\ 0013 \end{bmatrix} \\
4478 &= \mathbf{PI}(0, 4, 6, 3, 7, 1) = L_{3133} = \begin{bmatrix} 1205 \\ 0013 \end{bmatrix} \\
4479 &= \mathbf{PI}(0, 5, 6, 3, 7, 1) = L_{4301} = \begin{bmatrix} 1207 \\ 0013 \end{bmatrix} \\
4480 &= \mathbf{PI}(0, 6, 6, 3, 7, 1) = L_{797} = \begin{bmatrix} 1201 \\ 0013 \end{bmatrix} \\
4481 &= \mathbf{PI}(0, 7, 6, 3, 7, 1) = L_{1965} = \begin{bmatrix} 1203 \\ 0013 \end{bmatrix} \\
4482 &= \mathbf{PI}(3, 1, 7, 3, 7, 1) = L_{930} = \begin{bmatrix} 1041 \\ 0166 \end{bmatrix} \\
4483 &= \mathbf{PI}(7, 2, 7, 3, 7, 1) = L_{1542} = \begin{bmatrix} 1052 \\ 0111 \end{bmatrix} \\
4484 &= \mathbf{PI}(1, 3, 7, 3, 7, 1) = L_{1888} = \begin{bmatrix} 1013 \\ 0177 \end{bmatrix} \\
4485 &= \mathbf{PI}(5, 4, 7, 3, 7, 1) = L_{2865} = \begin{bmatrix} 1074 \\ 0122 \end{bmatrix} \\
4486 &= \mathbf{PI}(4, 5, 7, 3, 7, 1) = L_{3175} = \begin{bmatrix} 1035 \\ 0144 \end{bmatrix} \\
4487 &= \mathbf{PI}(6, 6, 7, 3, 7, 1) = L_{3677} = \begin{bmatrix} 1026 \\ 0133 \end{bmatrix} \\
4488 &= \mathbf{PI}(2, 7, 7, 3, 7, 1) = L_{4571} = \begin{bmatrix} 1067 \\ 0155 \end{bmatrix} \\
4489 &= \mathbf{PI}(7, 1, 0, 4, 7, 1) = L_{2125} = \begin{bmatrix} 1053 \\ 0101 \end{bmatrix} \\
4490 &= \mathbf{PI}(5, 2, 0, 4, 7, 1) = L_{4031} = \begin{bmatrix} 1076 \\ 0102 \end{bmatrix} \\
4491 &= \mathbf{PI}(6, 3, 0, 4, 7, 1) = L_{3090} = \begin{bmatrix} 1025 \\ 0103 \end{bmatrix} \\
4492 &= \mathbf{PI}(4, 4, 0, 4, 7, 1) = L_{835} = \begin{bmatrix} 1031 \\ 0104 \end{bmatrix} \\
4493 &= \mathbf{PI}(2, 5, 0, 4, 7, 1) = L_{1646} = \begin{bmatrix} 1062 \\ 0105 \end{bmatrix} \\
4494 &= \mathbf{PI}(3, 6, 0, 4, 7, 1) = L_{4428} = \begin{bmatrix} 1047 \\ 0106 \end{bmatrix} \\
4495 &= \mathbf{PI}(1, 7, 0, 4, 7, 1) = L_{2465} = \begin{bmatrix} 1014 \\ 0107 \end{bmatrix} \\
4496 &= \mathbf{PI}(3, 1, 1, 4, 7, 1) = L_{4432} = \begin{bmatrix} 1047 \\ 0146 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4497 &= \mathbf{PI}(7, 2, 1, 4, 7, 1) = L_{2130} = \begin{bmatrix} 1053 \\ 0151 \end{bmatrix} \\
4498 &= \mathbf{PI}(1, 3, 1, 4, 7, 1) = L_{2466} = \begin{bmatrix} 1014 \\ 0117 \end{bmatrix} \\
4499 &= \mathbf{PI}(5, 4, 1, 4, 7, 1) = L_{4038} = \begin{bmatrix} 1076 \\ 0172 \end{bmatrix} \\
4500 &= \mathbf{PI}(4, 5, 1, 4, 7, 1) = L_{838} = \begin{bmatrix} 1031 \\ 0134 \end{bmatrix} \\
4501 &= \mathbf{PI}(6, 6, 1, 4, 7, 1) = L_{3092} = \begin{bmatrix} 1025 \\ 0123 \end{bmatrix} \\
4502 &= \mathbf{PI}(2, 7, 1, 4, 7, 1) = L_{1652} = \begin{bmatrix} 1062 \\ 0165 \end{bmatrix} \\
4503 &= \mathbf{PI}(2, 1, 2, 4, 7, 1) = L_{1647} = \begin{bmatrix} 1062 \\ 0115 \end{bmatrix} \\
4504 &= \mathbf{PI}(1, 2, 2, 4, 7, 1) = L_{2467} = \begin{bmatrix} 1014 \\ 0127 \end{bmatrix} \\
4505 &= \mathbf{PI}(5, 3, 2, 4, 7, 1) = L_{4034} = \begin{bmatrix} 1076 \\ 0132 \end{bmatrix} \\
4506 &= \mathbf{PI}(6, 4, 2, 4, 7, 1) = L_{3094} = \begin{bmatrix} 1025 \\ 0143 \end{bmatrix} \\
4507 &= \mathbf{PI}(3, 5, 2, 4, 7, 1) = L_{4433} = \begin{bmatrix} 1047 \\ 0156 \end{bmatrix} \\
4508 &= \mathbf{PI}(4, 6, 2, 4, 7, 1) = L_{841} = \begin{bmatrix} 1031 \\ 0164 \end{bmatrix} \\
4509 &= \mathbf{PI}(7, 7, 2, 4, 7, 1) = L_{2132} = \begin{bmatrix} 1053 \\ 0171 \end{bmatrix} \\
4510 &= \mathbf{PI}(6, 1, 3, 4, 7, 1) = L_{3096} = \begin{bmatrix} 1025 \\ 0163 \end{bmatrix} \\
4511 &= \mathbf{PI}(3, 2, 3, 4, 7, 1) = L_{4429} = \begin{bmatrix} 1047 \\ 0116 \end{bmatrix} \\
4512 &= \mathbf{PI}(2, 3, 3, 4, 7, 1) = L_{1653} = \begin{bmatrix} 1062 \\ 0175 \end{bmatrix} \\
4513 &= \mathbf{PI}(7, 4, 3, 4, 7, 1) = L_{2127} = \begin{bmatrix} 1053 \\ 0121 \end{bmatrix} \\
4514 &= \mathbf{PI}(5, 5, 3, 4, 7, 1) = L_{4035} = \begin{bmatrix} 1076 \\ 0142 \end{bmatrix} \\
4515 &= \mathbf{PI}(1, 6, 3, 4, 7, 1) = L_{2468} = \begin{bmatrix} 1014 \\ 0137 \end{bmatrix} \\
4516 &= \mathbf{PI}(4, 7, 3, 4, 7, 1) = L_{840} = \begin{bmatrix} 1031 \\ 0154 \end{bmatrix} \\
4517 &= \mathbf{PI}(0, 0, 4, 4, 7, 1) = L_{287} = \begin{bmatrix} 1300 \\ 0014 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4518 &= \mathbf{PI}(1, 0, 4, 4, 7, 1) = L_{2469} = \begin{bmatrix} 1014 \\ 0147 \end{bmatrix} \\
4519 &= \mathbf{PI}(2, 0, 4, 4, 7, 1) = L_{1648} = \begin{bmatrix} 1062 \\ 0125 \end{bmatrix} \\
4520 &= \mathbf{PI}(3, 0, 4, 4, 7, 1) = L_{4435} = \begin{bmatrix} 1047 \\ 0176 \end{bmatrix} \\
4521 &= \mathbf{PI}(4, 0, 4, 4, 7, 1) = L_{836} = \begin{bmatrix} 1031 \\ 0114 \end{bmatrix} \\
4522 &= \mathbf{PI}(5, 0, 4, 4, 7, 1) = L_{4037} = \begin{bmatrix} 1076 \\ 0162 \end{bmatrix} \\
4523 &= \mathbf{PI}(6, 0, 4, 4, 7, 1) = L_{3095} = \begin{bmatrix} 1025 \\ 0153 \end{bmatrix} \\
4524 &= \mathbf{PI}(7, 0, 4, 4, 7, 1) = L_{2128} = \begin{bmatrix} 1053 \\ 0131 \end{bmatrix} \\
4525 &= \mathbf{PI}(0, 1, 4, 4, 7, 1) = L_{2039} = \begin{bmatrix} 1303 \\ 0014 \end{bmatrix} \\
4526 &= \mathbf{PI}(0, 2, 4, 4, 7, 1) = L_{3791} = \begin{bmatrix} 1306 \\ 0014 \end{bmatrix} \\
4527 &= \mathbf{PI}(0, 3, 4, 4, 7, 1) = L_{3207} = \begin{bmatrix} 1305 \\ 0014 \end{bmatrix} \\
4528 &= \mathbf{PI}(0, 4, 4, 4, 7, 1) = L_{871} = \begin{bmatrix} 1301 \\ 0014 \end{bmatrix} \\
4529 &= \mathbf{PI}(0, 5, 4, 4, 7, 1) = L_{1455} = \begin{bmatrix} 1302 \\ 0014 \end{bmatrix} \\
4530 &= \mathbf{PI}(0, 6, 4, 4, 7, 1) = L_{4375} = \begin{bmatrix} 1307 \\ 0014 \end{bmatrix} \\
4531 &= \mathbf{PI}(0, 7, 4, 4, 7, 1) = L_{2623} = \begin{bmatrix} 1304 \\ 0014 \end{bmatrix} \\
4532 &= \mathbf{PI}(4, 1, 5, 4, 7, 1) = L_{837} = \begin{bmatrix} 1031 \\ 0124 \end{bmatrix} \\
4533 &= \mathbf{PI}(2, 2, 5, 4, 7, 1) = L_{1650} = \begin{bmatrix} 1062 \\ 0145 \end{bmatrix} \\
4534 &= \mathbf{PI}(7, 3, 5, 4, 7, 1) = L_{2131} = \begin{bmatrix} 1053 \\ 0161 \end{bmatrix} \\
4535 &= \mathbf{PI}(1, 4, 5, 4, 7, 1) = L_{2470} = \begin{bmatrix} 1014 \\ 0157 \end{bmatrix} \\
4536 &= \mathbf{PI}(6, 5, 5, 4, 7, 1) = L_{3097} = \begin{bmatrix} 1025 \\ 0173 \end{bmatrix} \\
4537 &= \mathbf{PI}(5, 6, 5, 4, 7, 1) = L_{4032} = \begin{bmatrix} 1076 \\ 0112 \end{bmatrix} \\
4538 &= \mathbf{PI}(3, 7, 5, 4, 7, 1) = L_{4431} = \begin{bmatrix} 1047 \\ 0136 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
4539 &= \mathbf{PI}(5, 1, 6, 4, 7, 1) = L_{4036} = \begin{bmatrix} 1076 \\ 0152 \end{bmatrix} \\
4540 &= \mathbf{PI}(4, 2, 6, 4, 7, 1) = L_{842} = \begin{bmatrix} 1031 \\ 0174 \end{bmatrix} \\
4541 &= \mathbf{PI}(3, 3, 6, 4, 7, 1) = L_{4430} = \begin{bmatrix} 1047 \\ 0126 \end{bmatrix} \\
4542 &= \mathbf{PI}(2, 4, 6, 4, 7, 1) = L_{1649} = \begin{bmatrix} 1062 \\ 0135 \end{bmatrix} \\
4543 &= \mathbf{PI}(1, 5, 6, 4, 7, 1) = L_{2471} = \begin{bmatrix} 1014 \\ 0167 \end{bmatrix} \\
4544 &= \mathbf{PI}(7, 6, 6, 4, 7, 1) = L_{2129} = \begin{bmatrix} 1053 \\ 0141 \end{bmatrix} \\
4545 &= \mathbf{PI}(6, 7, 6, 4, 7, 1) = L_{3091} = \begin{bmatrix} 1025 \\ 0113 \end{bmatrix} \\
4546 &= \mathbf{PI}(1, 1, 7, 4, 7, 1) = L_{2472} = \begin{bmatrix} 1014 \\ 0177 \end{bmatrix} \\
4547 &= \mathbf{PI}(6, 2, 7, 4, 7, 1) = L_{3093} = \begin{bmatrix} 1025 \\ 0133 \end{bmatrix} \\
4548 &= \mathbf{PI}(4, 3, 7, 4, 7, 1) = L_{839} = \begin{bmatrix} 1031 \\ 0144 \end{bmatrix} \\
4549 &= \mathbf{PI}(3, 4, 7, 4, 7, 1) = L_{4434} = \begin{bmatrix} 1047 \\ 0166 \end{bmatrix} \\
4550 &= \mathbf{PI}(7, 5, 7, 4, 7, 1) = L_{2126} = \begin{bmatrix} 1053 \\ 0111 \end{bmatrix} \\
4551 &= \mathbf{PI}(2, 6, 7, 4, 7, 1) = L_{1651} = \begin{bmatrix} 1062 \\ 0155 \end{bmatrix} \\
4552 &= \mathbf{PI}(5, 7, 7, 4, 7, 1) = L_{4033} = \begin{bmatrix} 1076 \\ 0122 \end{bmatrix} \\
4553 &= \mathbf{PI}(7, 1, 0, 5, 7, 1) = L_{3877} = \begin{bmatrix} 1056 \\ 0101 \end{bmatrix} \\
4554 &= \mathbf{PI}(5, 2, 0, 5, 7, 1) = L_{1111} = \begin{bmatrix} 1071 \\ 0102 \end{bmatrix} \\
4555 &= \mathbf{PI}(6, 3, 0, 5, 7, 1) = L_{4258} = \begin{bmatrix} 1027 \\ 0103 \end{bmatrix} \\
4556 &= \mathbf{PI}(4, 4, 0, 5, 7, 1) = L_{1419} = \begin{bmatrix} 1032 \\ 0104 \end{bmatrix} \\
4557 &= \mathbf{PI}(2, 5, 0, 5, 7, 1) = L_{2814} = \begin{bmatrix} 1064 \\ 0105 \end{bmatrix} \\
4558 &= \mathbf{PI}(3, 6, 0, 5, 7, 1) = L_{2092} = \begin{bmatrix} 1043 \\ 0106 \end{bmatrix} \\
4559 &= \mathbf{PI}(1, 7, 0, 5, 7, 1) = L_{3049} = \begin{bmatrix} 1015 \\ 0107 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4560 &= \mathbf{PI}(2, 1, 1, 5, 7, 1) = L_{2820} = \begin{bmatrix} 1064 \\ 0165 \end{bmatrix} \\
4561 &= \mathbf{PI}(1, 2, 1, 5, 7, 1) = L_{3050} = \begin{bmatrix} 1015 \\ 0117 \end{bmatrix} \\
4562 &= \mathbf{PI}(5, 3, 1, 5, 7, 1) = L_{1118} = \begin{bmatrix} 1071 \\ 0172 \end{bmatrix} \\
4563 &= \mathbf{PI}(6, 4, 1, 5, 7, 1) = L_{4260} = \begin{bmatrix} 1027 \\ 0123 \end{bmatrix} \\
4564 &= \mathbf{PI}(3, 5, 1, 5, 7, 1) = L_{2096} = \begin{bmatrix} 1043 \\ 0146 \end{bmatrix} \\
4565 &= \mathbf{PI}(4, 6, 1, 5, 7, 1) = L_{1422} = \begin{bmatrix} 1032 \\ 0134 \end{bmatrix} \\
4566 &= \mathbf{PI}(7, 7, 1, 5, 7, 1) = L_{3882} = \begin{bmatrix} 1056 \\ 0151 \end{bmatrix} \\
4567 &= \mathbf{PI}(0, 0, 2, 5, 7, 1) = L_{507} = \begin{bmatrix} 1600 \\ 0015 \end{bmatrix} \\
4568 &= \mathbf{PI}(1, 0, 2, 5, 7, 1) = L_{3051} = \begin{bmatrix} 1015 \\ 0127 \end{bmatrix} \\
4569 &= \mathbf{PI}(2, 0, 2, 5, 7, 1) = L_{2815} = \begin{bmatrix} 1064 \\ 0115 \end{bmatrix} \\
4570 &= \mathbf{PI}(3, 0, 2, 5, 7, 1) = L_{2097} = \begin{bmatrix} 1043 \\ 0156 \end{bmatrix} \\
4571 &= \mathbf{PI}(4, 0, 2, 5, 7, 1) = L_{1425} = \begin{bmatrix} 1032 \\ 0164 \end{bmatrix} \\
4572 &= \mathbf{PI}(5, 0, 2, 5, 7, 1) = L_{1114} = \begin{bmatrix} 1071 \\ 0132 \end{bmatrix} \\
4573 &= \mathbf{PI}(6, 0, 2, 5, 7, 1) = L_{4262} = \begin{bmatrix} 1027 \\ 0143 \end{bmatrix} \\
4574 &= \mathbf{PI}(7, 0, 2, 5, 7, 1) = L_{3884} = \begin{bmatrix} 1056 \\ 0171 \end{bmatrix} \\
4575 &= \mathbf{PI}(0, 1, 2, 5, 7, 1) = L_{4011} = \begin{bmatrix} 1606 \\ 0015 \end{bmatrix} \\
4576 &= \mathbf{PI}(0, 2, 2, 5, 7, 1) = L_{1091} = \begin{bmatrix} 1601 \\ 0015 \end{bmatrix} \\
4577 &= \mathbf{PI}(0, 3, 2, 5, 7, 1) = L_{4595} = \begin{bmatrix} 1607 \\ 0015 \end{bmatrix} \\
4578 &= \mathbf{PI}(0, 4, 2, 5, 7, 1) = L_{1675} = \begin{bmatrix} 1602 \\ 0015 \end{bmatrix} \\
4579 &= \mathbf{PI}(0, 5, 2, 5, 7, 1) = L_{2843} = \begin{bmatrix} 1604 \\ 0015 \end{bmatrix} \\
4580 &= \mathbf{PI}(0, 6, 2, 5, 7, 1) = L_{2259} = \begin{bmatrix} 1603 \\ 0015 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4581 &= \mathbf{PI}(0, 7, 2, 5, 7, 1) = L_{3427} = \begin{bmatrix} 1605 \\ 0015 \end{bmatrix} \\
4582 &= \mathbf{PI}(5, 1, 3, 5, 7, 1) = L_{1115} = \begin{bmatrix} 1071 \\ 0142 \end{bmatrix} \\
4583 &= \mathbf{PI}(4, 2, 3, 5, 7, 1) = L_{1424} = \begin{bmatrix} 1032 \\ 0154 \end{bmatrix} \\
4584 &= \mathbf{PI}(3, 3, 3, 5, 7, 1) = L_{2093} = \begin{bmatrix} 1043 \\ 0116 \end{bmatrix} \\
4585 &= \mathbf{PI}(2, 4, 3, 5, 7, 1) = L_{2821} = \begin{bmatrix} 1064 \\ 0175 \end{bmatrix} \\
4586 &= \mathbf{PI}(1, 5, 3, 5, 7, 1) = L_{3052} = \begin{bmatrix} 1015 \\ 0137 \end{bmatrix} \\
4587 &= \mathbf{PI}(7, 6, 3, 5, 7, 1) = L_{3879} = \begin{bmatrix} 1056 \\ 0121 \end{bmatrix} \\
4588 &= \mathbf{PI}(6, 7, 3, 5, 7, 1) = L_{4264} = \begin{bmatrix} 1027 \\ 0163 \end{bmatrix} \\
4589 &= \mathbf{PI}(4, 1, 4, 5, 7, 1) = L_{1420} = \begin{bmatrix} 1032 \\ 0114 \end{bmatrix} \\
4590 &= \mathbf{PI}(2, 2, 4, 5, 7, 1) = L_{2816} = \begin{bmatrix} 1064 \\ 0125 \end{bmatrix} \\
4591 &= \mathbf{PI}(7, 3, 4, 5, 7, 1) = L_{3880} = \begin{bmatrix} 1056 \\ 0131 \end{bmatrix} \\
4592 &= \mathbf{PI}(1, 4, 4, 5, 7, 1) = L_{3053} = \begin{bmatrix} 1015 \\ 0147 \end{bmatrix} \\
4593 &= \mathbf{PI}(6, 5, 4, 5, 7, 1) = L_{4263} = \begin{bmatrix} 1027 \\ 0153 \end{bmatrix} \\
4594 &= \mathbf{PI}(5, 6, 4, 5, 7, 1) = L_{1117} = \begin{bmatrix} 1071 \\ 0162 \end{bmatrix} \\
4595 &= \mathbf{PI}(3, 7, 4, 5, 7, 1) = L_{2099} = \begin{bmatrix} 1043 \\ 0176 \end{bmatrix} \\
4596 &= \mathbf{PI}(1, 1, 5, 5, 7, 1) = L_{3054} = \begin{bmatrix} 1015 \\ 0157 \end{bmatrix} \\
4597 &= \mathbf{PI}(6, 2, 5, 5, 7, 1) = L_{4265} = \begin{bmatrix} 1027 \\ 0173 \end{bmatrix} \\
4598 &= \mathbf{PI}(4, 3, 5, 5, 7, 1) = L_{1421} = \begin{bmatrix} 1032 \\ 0124 \end{bmatrix} \\
4599 &= \mathbf{PI}(3, 4, 5, 5, 7, 1) = L_{2095} = \begin{bmatrix} 1043 \\ 0136 \end{bmatrix} \\
4600 &= \mathbf{PI}(7, 5, 5, 5, 7, 1) = L_{3883} = \begin{bmatrix} 1056 \\ 0161 \end{bmatrix} \\
4601 &= \mathbf{PI}(2, 6, 5, 5, 7, 1) = L_{2818} = \begin{bmatrix} 1064 \\ 0145 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4602 &= \mathbf{PI}(5, 7, 5, 5, 7, 1) = L_{1112} = \begin{bmatrix} 1071 \\ 0112 \end{bmatrix} \\
4603 &= \mathbf{PI}(3, 1, 6, 5, 7, 1) = L_{2094} = \begin{bmatrix} 1043 \\ 0126 \end{bmatrix} \\
4604 &= \mathbf{PI}(7, 2, 6, 5, 7, 1) = L_{3881} = \begin{bmatrix} 1056 \\ 0141 \end{bmatrix} \\
4605 &= \mathbf{PI}(1, 3, 6, 5, 7, 1) = L_{3055} = \begin{bmatrix} 1015 \\ 0167 \end{bmatrix} \\
4606 &= \mathbf{PI}(5, 4, 6, 5, 7, 1) = L_{1116} = \begin{bmatrix} 1071 \\ 0152 \end{bmatrix} \\
4607 &= \mathbf{PI}(4, 5, 6, 5, 7, 1) = L_{1426} = \begin{bmatrix} 1032 \\ 0174 \end{bmatrix} \\
4608 &= \mathbf{PI}(6, 6, 6, 5, 7, 1) = L_{4259} = \begin{bmatrix} 1027 \\ 0113 \end{bmatrix} \\
4609 &= \mathbf{PI}(2, 7, 6, 5, 7, 1) = L_{2817} = \begin{bmatrix} 1064 \\ 0135 \end{bmatrix} \\
4610 &= \mathbf{PI}(6, 1, 7, 5, 7, 1) = L_{4261} = \begin{bmatrix} 1027 \\ 0133 \end{bmatrix} \\
4611 &= \mathbf{PI}(3, 2, 7, 5, 7, 1) = L_{2098} = \begin{bmatrix} 1043 \\ 0166 \end{bmatrix} \\
4612 &= \mathbf{PI}(2, 3, 7, 5, 7, 1) = L_{2819} = \begin{bmatrix} 1064 \\ 0155 \end{bmatrix} \\
4613 &= \mathbf{PI}(7, 4, 7, 5, 7, 1) = L_{3878} = \begin{bmatrix} 1056 \\ 0111 \end{bmatrix} \\
4614 &= \mathbf{PI}(5, 5, 7, 5, 7, 1) = L_{1113} = \begin{bmatrix} 1071 \\ 0122 \end{bmatrix} \\
4615 &= \mathbf{PI}(1, 6, 7, 5, 7, 1) = L_{3056} = \begin{bmatrix} 1015 \\ 0177 \end{bmatrix} \\
4616 &= \mathbf{PI}(4, 7, 7, 5, 7, 1) = L_{1423} = \begin{bmatrix} 1032 \\ 0144 \end{bmatrix} \\
4617 &= \mathbf{PI}(7, 1, 0, 6, 7, 1) = L_{2709} = \begin{bmatrix} 1054 \\ 0101 \end{bmatrix} \\
4618 &= \mathbf{PI}(5, 2, 0, 6, 7, 1) = L_{3447} = \begin{bmatrix} 1075 \\ 0102 \end{bmatrix} \\
4619 &= \mathbf{PI}(6, 3, 0, 6, 7, 1) = L_{754} = \begin{bmatrix} 1021 \\ 0103 \end{bmatrix} \\
4620 &= \mathbf{PI}(4, 4, 0, 6, 7, 1) = L_{4339} = \begin{bmatrix} 1037 \\ 0104 \end{bmatrix} \\
4621 &= \mathbf{PI}(2, 5, 0, 6, 7, 1) = L_{2230} = \begin{bmatrix} 1063 \\ 0105 \end{bmatrix} \\
4622 &= \mathbf{PI}(3, 6, 0, 6, 7, 1) = L_{1508} = \begin{bmatrix} 1042 \\ 0106 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4623 &= \mathbf{PI}(1, 7, 0, 6, 7, 1) = L_{3633} = \begin{bmatrix} 1016 \\ 0107 \end{bmatrix} \\
4624 &= \mathbf{PI}(1, 1, 1, 6, 7, 1) = L_{3634} = \begin{bmatrix} 1016 \\ 0117 \end{bmatrix} \\
4625 &= \mathbf{PI}(6, 2, 1, 6, 7, 1) = L_{756} = \begin{bmatrix} 1021 \\ 0123 \end{bmatrix} \\
4626 &= \mathbf{PI}(4, 3, 1, 6, 7, 1) = L_{4342} = \begin{bmatrix} 1037 \\ 0134 \end{bmatrix} \\
4627 &= \mathbf{PI}(3, 4, 1, 6, 7, 1) = L_{1512} = \begin{bmatrix} 1042 \\ 0146 \end{bmatrix} \\
4628 &= \mathbf{PI}(7, 5, 1, 6, 7, 1) = L_{2714} = \begin{bmatrix} 1054 \\ 0151 \end{bmatrix} \\
4629 &= \mathbf{PI}(2, 6, 1, 6, 7, 1) = L_{2236} = \begin{bmatrix} 1063 \\ 0165 \end{bmatrix} \\
4630 &= \mathbf{PI}(5, 7, 1, 6, 7, 1) = L_{3454} = \begin{bmatrix} 1075 \\ 0172 \end{bmatrix} \\
4631 &= \mathbf{PI}(6, 1, 2, 6, 7, 1) = L_{758} = \begin{bmatrix} 1021 \\ 0143 \end{bmatrix} \\
4632 &= \mathbf{PI}(3, 2, 2, 6, 7, 1) = L_{1513} = \begin{bmatrix} 1042 \\ 0156 \end{bmatrix} \\
4633 &= \mathbf{PI}(2, 3, 2, 6, 7, 1) = L_{2231} = \begin{bmatrix} 1063 \\ 0115 \end{bmatrix} \\
4634 &= \mathbf{PI}(7, 4, 2, 6, 7, 1) = L_{2716} = \begin{bmatrix} 1054 \\ 0171 \end{bmatrix} \\
4635 &= \mathbf{PI}(5, 5, 2, 6, 7, 1) = L_{3450} = \begin{bmatrix} 1075 \\ 0132 \end{bmatrix} \\
4636 &= \mathbf{PI}(1, 6, 2, 6, 7, 1) = L_{3635} = \begin{bmatrix} 1016 \\ 0127 \end{bmatrix} \\
4637 &= \mathbf{PI}(4, 7, 2, 6, 7, 1) = L_{4345} = \begin{bmatrix} 1037 \\ 0164 \end{bmatrix} \\
4638 &= \mathbf{PI}(0, 0, 3, 6, 7, 1) = L_{362} = \begin{bmatrix} 1400 \\ 0016 \end{bmatrix} \\
4639 &= \mathbf{PI}(1, 0, 3, 6, 7, 1) = L_{3636} = \begin{bmatrix} 1016 \\ 0137 \end{bmatrix} \\
4640 &= \mathbf{PI}(2, 0, 3, 6, 7, 1) = L_{2237} = \begin{bmatrix} 1063 \\ 0175 \end{bmatrix} \\
4641 &= \mathbf{PI}(3, 0, 3, 6, 7, 1) = L_{1509} = \begin{bmatrix} 1042 \\ 0116 \end{bmatrix} \\
4642 &= \mathbf{PI}(4, 0, 3, 6, 7, 1) = L_{4344} = \begin{bmatrix} 1037 \\ 0154 \end{bmatrix} \\
4643 &= \mathbf{PI}(5, 0, 3, 6, 7, 1) = L_{3451} = \begin{bmatrix} 1075 \\ 0142 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4644 &= \mathbf{PI}(6, 0, 3, 6, 7, 1) = L_{760} = \begin{bmatrix} 1021 \\ 0163 \end{bmatrix} \\
4645 &= \mathbf{PI}(7, 0, 3, 6, 7, 1) = L_{2711} = \begin{bmatrix} 1054 \\ 0121 \end{bmatrix} \\
4646 &= \mathbf{PI}(0, 1, 3, 6, 7, 1) = L_{2698} = \begin{bmatrix} 1404 \\ 0016 \end{bmatrix} \\
4647 &= \mathbf{PI}(0, 2, 3, 6, 7, 1) = L_{3282} = \begin{bmatrix} 1405 \\ 0016 \end{bmatrix} \\
4648 &= \mathbf{PI}(0, 3, 3, 6, 7, 1) = L_{946} = \begin{bmatrix} 1401 \\ 0016 \end{bmatrix} \\
4649 &= \mathbf{PI}(0, 4, 3, 6, 7, 1) = L_{4450} = \begin{bmatrix} 1407 \\ 0016 \end{bmatrix} \\
4650 &= \mathbf{PI}(0, 5, 3, 6, 7, 1) = L_{2114} = \begin{bmatrix} 1403 \\ 0016 \end{bmatrix} \\
4651 &= \mathbf{PI}(0, 6, 3, 6, 7, 1) = L_{1530} = \begin{bmatrix} 1402 \\ 0016 \end{bmatrix} \\
4652 &= \mathbf{PI}(0, 7, 3, 6, 7, 1) = L_{3866} = \begin{bmatrix} 1406 \\ 0016 \end{bmatrix} \\
4653 &= \mathbf{PI}(5, 1, 4, 6, 7, 1) = L_{3453} = \begin{bmatrix} 1075 \\ 0162 \end{bmatrix} \\
4654 &= \mathbf{PI}(4, 2, 4, 6, 7, 1) = L_{4340} = \begin{bmatrix} 1037 \\ 0114 \end{bmatrix} \\
4655 &= \mathbf{PI}(3, 3, 4, 6, 7, 1) = L_{1515} = \begin{bmatrix} 1042 \\ 0176 \end{bmatrix} \\
4656 &= \mathbf{PI}(2, 4, 4, 6, 7, 1) = L_{2232} = \begin{bmatrix} 1063 \\ 0125 \end{bmatrix} \\
4657 &= \mathbf{PI}(1, 5, 4, 6, 7, 1) = L_{3637} = \begin{bmatrix} 1016 \\ 0147 \end{bmatrix} \\
4658 &= \mathbf{PI}(7, 6, 4, 6, 7, 1) = L_{2712} = \begin{bmatrix} 1054 \\ 0131 \end{bmatrix} \\
4659 &= \mathbf{PI}(6, 7, 4, 6, 7, 1) = L_{759} = \begin{bmatrix} 1021 \\ 0153 \end{bmatrix} \\
4660 &= \mathbf{PI}(3, 1, 5, 6, 7, 1) = L_{1511} = \begin{bmatrix} 1042 \\ 0136 \end{bmatrix} \\
4661 &= \mathbf{PI}(7, 2, 5, 6, 7, 1) = L_{2715} = \begin{bmatrix} 1054 \\ 0161 \end{bmatrix} \\
4662 &= \mathbf{PI}(1, 3, 5, 6, 7, 1) = L_{3638} = \begin{bmatrix} 1016 \\ 0157 \end{bmatrix} \\
4663 &= \mathbf{PI}(5, 4, 5, 6, 7, 1) = L_{3448} = \begin{bmatrix} 1075 \\ 0112 \end{bmatrix} \\
4664 &= \mathbf{PI}(4, 5, 5, 6, 7, 1) = L_{4341} = \begin{bmatrix} 1037 \\ 0124 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4665 &= \mathbf{PI}(6, 6, 5, 6, 7, 1) = L_{761} = \begin{bmatrix} 1021 \\ 0173 \end{bmatrix} \\
4666 &= \mathbf{PI}(2, 7, 5, 6, 7, 1) = L_{2234} = \begin{bmatrix} 1063 \\ 0145 \end{bmatrix} \\
4667 &= \mathbf{PI}(4, 1, 6, 6, 7, 1) = L_{4346} = \begin{bmatrix} 1037 \\ 0174 \end{bmatrix} \\
4668 &= \mathbf{PI}(2, 2, 6, 6, 7, 1) = L_{2233} = \begin{bmatrix} 1063 \\ 0135 \end{bmatrix} \\
4669 &= \mathbf{PI}(7, 3, 6, 6, 7, 1) = L_{2713} = \begin{bmatrix} 1054 \\ 0141 \end{bmatrix} \\
4670 &= \mathbf{PI}(1, 4, 6, 6, 7, 1) = L_{3639} = \begin{bmatrix} 1016 \\ 0167 \end{bmatrix} \\
4671 &= \mathbf{PI}(6, 5, 6, 6, 7, 1) = L_{755} = \begin{bmatrix} 1021 \\ 0113 \end{bmatrix} \\
4672 &= \mathbf{PI}(5, 6, 6, 6, 7, 1) = L_{3452} = \begin{bmatrix} 1075 \\ 0152 \end{bmatrix} \\
4673 &= \mathbf{PI}(3, 7, 6, 6, 7, 1) = L_{1510} = \begin{bmatrix} 1042 \\ 0126 \end{bmatrix} \\
4674 &= \mathbf{PI}(2, 1, 7, 6, 7, 1) = L_{2235} = \begin{bmatrix} 1063 \\ 0155 \end{bmatrix} \\
4675 &= \mathbf{PI}(1, 2, 7, 6, 7, 1) = L_{3640} = \begin{bmatrix} 1016 \\ 0177 \end{bmatrix} \\
4676 &= \mathbf{PI}(5, 3, 7, 6, 7, 1) = L_{3449} = \begin{bmatrix} 1075 \\ 0122 \end{bmatrix} \\
4677 &= \mathbf{PI}(6, 4, 7, 6, 7, 1) = L_{757} = \begin{bmatrix} 1021 \\ 0133 \end{bmatrix} \\
4678 &= \mathbf{PI}(3, 5, 7, 6, 7, 1) = L_{1514} = \begin{bmatrix} 1042 \\ 0166 \end{bmatrix} \\
4679 &= \mathbf{PI}(4, 6, 7, 6, 7, 1) = L_{4343} = \begin{bmatrix} 1037 \\ 0144 \end{bmatrix} \\
4680 &= \mathbf{PI}(7, 7, 7, 6, 7, 1) = L_{2710} = \begin{bmatrix} 1054 \\ 0111 \end{bmatrix} \\
4681 &= \mathbf{PI}(7, 1, 0, 7, 7, 1) = L_{957} = \begin{bmatrix} 1051 \\ 0101 \end{bmatrix} \\
4682 &= \mathbf{PI}(5, 2, 0, 7, 7, 1) = L_{1695} = \begin{bmatrix} 1072 \\ 0102 \end{bmatrix} \\
4683 &= \mathbf{PI}(6, 3, 0, 7, 7, 1) = L_{1922} = \begin{bmatrix} 1023 \\ 0103 \end{bmatrix} \\
4684 &= \mathbf{PI}(4, 4, 0, 7, 7, 1) = L_{2587} = \begin{bmatrix} 1034 \\ 0104 \end{bmatrix} \\
4685 &= \mathbf{PI}(2, 5, 0, 7, 7, 1) = L_{3398} = \begin{bmatrix} 1065 \\ 0105 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4686 &= \mathbf{PI}(3, 6, 0, 7, 7, 1) = L_{3844} = \begin{bmatrix} 1046 \\ 0106 \end{bmatrix} \\
4687 &= \mathbf{PI}(1, 7, 0, 7, 7, 1) = L_{4217} = \begin{bmatrix} 1017 \\ 0107 \end{bmatrix} \\
4688 &= \mathbf{PI}(0, 0, 1, 7, 7, 1) = L_{144} = \begin{bmatrix} 1100 \\ 0017 \end{bmatrix} \\
4689 &= \mathbf{PI}(1, 0, 1, 7, 7, 1) = L_{4218} = \begin{bmatrix} 1017 \\ 0117 \end{bmatrix} \\
4690 &= \mathbf{PI}(2, 0, 1, 7, 7, 1) = L_{3404} = \begin{bmatrix} 1065 \\ 0165 \end{bmatrix} \\
4691 &= \mathbf{PI}(3, 0, 1, 7, 7, 1) = L_{3848} = \begin{bmatrix} 1046 \\ 0146 \end{bmatrix} \\
4692 &= \mathbf{PI}(4, 0, 1, 7, 7, 1) = L_{2590} = \begin{bmatrix} 1034 \\ 0134 \end{bmatrix} \\
4693 &= \mathbf{PI}(5, 0, 1, 7, 7, 1) = L_{1702} = \begin{bmatrix} 1072 \\ 0172 \end{bmatrix} \\
4694 &= \mathbf{PI}(6, 0, 1, 7, 7, 1) = L_{1924} = \begin{bmatrix} 1023 \\ 0123 \end{bmatrix} \\
4695 &= \mathbf{PI}(7, 0, 1, 7, 7, 1) = L_{962} = \begin{bmatrix} 1051 \\ 0151 \end{bmatrix} \\
4696 &= \mathbf{PI}(0, 1, 1, 7, 7, 1) = L_{728} = \begin{bmatrix} 1101 \\ 0017 \end{bmatrix} \\
4697 &= \mathbf{PI}(0, 2, 1, 7, 7, 1) = L_{1312} = \begin{bmatrix} 1102 \\ 0017 \end{bmatrix} \\
4698 &= \mathbf{PI}(0, 3, 1, 7, 7, 1) = L_{1896} = \begin{bmatrix} 1103 \\ 0017 \end{bmatrix} \\
4699 &= \mathbf{PI}(0, 4, 1, 7, 7, 1) = L_{2480} = \begin{bmatrix} 1104 \\ 0017 \end{bmatrix} \\
4700 &= \mathbf{PI}(0, 5, 1, 7, 7, 1) = L_{3064} = \begin{bmatrix} 1105 \\ 0017 \end{bmatrix} \\
4701 &= \mathbf{PI}(0, 6, 1, 7, 7, 1) = L_{3648} = \begin{bmatrix} 1106 \\ 0017 \end{bmatrix} \\
4702 &= \mathbf{PI}(0, 7, 1, 7, 7, 1) = L_{4232} = \begin{bmatrix} 1107 \\ 0017 \end{bmatrix} \\
4703 &= \mathbf{PI}(4, 1, 2, 7, 7, 1) = L_{2593} = \begin{bmatrix} 1034 \\ 0164 \end{bmatrix} \\
4704 &= \mathbf{PI}(2, 2, 2, 7, 7, 1) = L_{3399} = \begin{bmatrix} 1065 \\ 0115 \end{bmatrix} \\
4705 &= \mathbf{PI}(7, 3, 2, 7, 7, 1) = L_{964} = \begin{bmatrix} 1051 \\ 0171 \end{bmatrix} \\
4706 &= \mathbf{PI}(1, 4, 2, 7, 7, 1) = L_{4219} = \begin{bmatrix} 1017 \\ 0127 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
4707 &= \mathbf{PI}(6, 5, 2, 7, 7, 1) = L_{1926} = \begin{bmatrix} 1023 \\ 0143 \end{bmatrix} \\
4708 &= \mathbf{PI}(5, 6, 2, 7, 7, 1) = L_{1698} = \begin{bmatrix} 1072 \\ 0132 \end{bmatrix} \\
4709 &= \mathbf{PI}(3, 7, 2, 7, 7, 1) = L_{3849} = \begin{bmatrix} 1046 \\ 0156 \end{bmatrix} \\
4710 &= \mathbf{PI}(3, 1, 3, 7, 7, 1) = L_{3845} = \begin{bmatrix} 1046 \\ 0116 \end{bmatrix} \\
4711 &= \mathbf{PI}(7, 2, 3, 7, 7, 1) = L_{959} = \begin{bmatrix} 1051 \\ 0121 \end{bmatrix} \\
4712 &= \mathbf{PI}(1, 3, 3, 7, 7, 1) = L_{4220} = \begin{bmatrix} 1017 \\ 0137 \end{bmatrix} \\
4713 &= \mathbf{PI}(5, 4, 3, 7, 7, 1) = L_{1699} = \begin{bmatrix} 1072 \\ 0142 \end{bmatrix} \\
4714 &= \mathbf{PI}(4, 5, 3, 7, 7, 1) = L_{2592} = \begin{bmatrix} 1034 \\ 0154 \end{bmatrix} \\
4715 &= \mathbf{PI}(6, 6, 3, 7, 7, 1) = L_{1928} = \begin{bmatrix} 1023 \\ 0163 \end{bmatrix} \\
4716 &= \mathbf{PI}(2, 7, 3, 7, 7, 1) = L_{3405} = \begin{bmatrix} 1065 \\ 0175 \end{bmatrix} \\
4717 &= \mathbf{PI}(1, 1, 4, 7, 7, 1) = L_{4221} = \begin{bmatrix} 1017 \\ 0147 \end{bmatrix} \\
4718 &= \mathbf{PI}(6, 2, 4, 7, 7, 1) = L_{1927} = \begin{bmatrix} 1023 \\ 0153 \end{bmatrix} \\
4719 &= \mathbf{PI}(4, 3, 4, 7, 7, 1) = L_{2588} = \begin{bmatrix} 1034 \\ 0114 \end{bmatrix} \\
4720 &= \mathbf{PI}(3, 4, 4, 7, 7, 1) = L_{3851} = \begin{bmatrix} 1046 \\ 0176 \end{bmatrix} \\
4721 &= \mathbf{PI}(7, 5, 4, 7, 7, 1) = L_{960} = \begin{bmatrix} 1051 \\ 0131 \end{bmatrix} \\
4722 &= \mathbf{PI}(2, 6, 4, 7, 7, 1) = L_{3400} = \begin{bmatrix} 1065 \\ 0125 \end{bmatrix} \\
4723 &= \mathbf{PI}(5, 7, 4, 7, 7, 1) = L_{1701} = \begin{bmatrix} 1072 \\ 0162 \end{bmatrix} \\
4724 &= \mathbf{PI}(6, 1, 5, 7, 7, 1) = L_{1929} = \begin{bmatrix} 1023 \\ 0173 \end{bmatrix} \\
4725 &= \mathbf{PI}(3, 2, 5, 7, 7, 1) = L_{3847} = \begin{bmatrix} 1046 \\ 0136 \end{bmatrix} \\
4726 &= \mathbf{PI}(2, 3, 5, 7, 7, 1) = L_{3402} = \begin{bmatrix} 1065 \\ 0145 \end{bmatrix} \\
4727 &= \mathbf{PI}(7, 4, 5, 7, 7, 1) = L_{963} = \begin{bmatrix} 1051 \\ 0161 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
4728 &= \mathbf{PI}(5, 5, 5, 7, 7, 1) = L_{1696} = \begin{bmatrix} 1072 \\ 0112 \end{bmatrix} \\
4729 &= \mathbf{PI}(1, 6, 5, 7, 7, 1) = L_{4222} = \begin{bmatrix} 1017 \\ 0157 \end{bmatrix} \\
4730 &= \mathbf{PI}(4, 7, 5, 7, 7, 1) = L_{2589} = \begin{bmatrix} 1034 \\ 0124 \end{bmatrix} \\
4731 &= \mathbf{PI}(2, 1, 6, 7, 7, 1) = L_{3401} = \begin{bmatrix} 1065 \\ 0135 \end{bmatrix} \\
4732 &= \mathbf{PI}(1, 2, 6, 7, 7, 1) = L_{4223} = \begin{bmatrix} 1017 \\ 0167 \end{bmatrix} \\
4733 &= \mathbf{PI}(5, 3, 6, 7, 7, 1) = L_{1700} = \begin{bmatrix} 1072 \\ 0152 \end{bmatrix} \\
4734 &= \mathbf{PI}(6, 4, 6, 7, 7, 1) = L_{1923} = \begin{bmatrix} 1023 \\ 0113 \end{bmatrix} \\
4735 &= \mathbf{PI}(3, 5, 6, 7, 7, 1) = L_{3846} = \begin{bmatrix} 1046 \\ 0126 \end{bmatrix} \\
4736 &= \mathbf{PI}(4, 6, 6, 7, 7, 1) = L_{2594} = \begin{bmatrix} 1034 \\ 0174 \end{bmatrix} \\
4737 &= \mathbf{PI}(7, 7, 6, 7, 7, 1) = L_{961} = \begin{bmatrix} 1051 \\ 0141 \end{bmatrix} \\
4738 &= \mathbf{PI}(5, 1, 7, 7, 7, 1) = L_{1697} = \begin{bmatrix} 1072 \\ 0122 \end{bmatrix} \\
4739 &= \mathbf{PI}(4, 2, 7, 7, 7, 1) = L_{2591} = \begin{bmatrix} 1034 \\ 0144 \end{bmatrix} \\
4740 &= \mathbf{PI}(3, 3, 7, 7, 7, 1) = L_{3850} = \begin{bmatrix} 1046 \\ 0166 \end{bmatrix} \\
4741 &= \mathbf{PI}(2, 4, 7, 7, 7, 1) = L_{3403} = \begin{bmatrix} 1065 \\ 0155 \end{bmatrix} \\
4742 &= \mathbf{PI}(1, 5, 7, 7, 7, 1) = L_{4224} = \begin{bmatrix} 1017 \\ 0177 \end{bmatrix} \\
4743 &= \mathbf{PI}(7, 6, 7, 7, 7, 1) = L_{958} = \begin{bmatrix} 1051 \\ 0111 \end{bmatrix} \\
4744 &= \mathbf{PI}(6, 7, 7, 7, 7, 1) = L_{1925} = \begin{bmatrix} 1023 \\ 0133 \end{bmatrix}
\end{aligned}$$

$\text{PG}(3, 8)$  has the following low weight Pluecker lines:

$$\begin{aligned}
L_0 &= \begin{bmatrix} 1000 \\ 0100 \end{bmatrix} = \mathbf{PI}(1, 0, 0, 0, 0, 0) \\
L_{64} &= \begin{bmatrix} 1000 \\ 0010 \end{bmatrix} = \mathbf{PI}(0, 0, 1, 0, 0, 0) \\
L_{72} &= \begin{bmatrix} 1000 \\ 0001 \end{bmatrix} = \mathbf{PI}(0, 0, 0, 0, 1, 0) \\
L_{4672} &= \begin{bmatrix} 0100 \\ 0010 \end{bmatrix} = \mathbf{PI}(0, 0, 0, 0, 0, 1)
\end{aligned}$$

$$L_{4680} = \begin{bmatrix} 0100 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 0, 0, 1, 0, 0)$$

$$L_{4744} = \begin{bmatrix} 0010 \\ 0001 \end{bmatrix} = \mathbf{Pl}(0, 1, 0, 0, 0, 0)$$

## The planes of PG(3, 8)

PG(3, 8) has 585 2-subspaces:

$$\begin{aligned}
 L_0 &= \begin{bmatrix} 1000 \\ 0100 \\ 0010 \end{bmatrix} \\
 L_1 &= \begin{bmatrix} 1000 \\ 0100 \\ 0011 \end{bmatrix} \\
 L_2 &= \begin{bmatrix} 1000 \\ 0100 \\ 0012 \end{bmatrix} \\
 L_3 &= \begin{bmatrix} 1000 \\ 0100 \\ 0013 \end{bmatrix} \\
 L_4 &= \begin{bmatrix} 1000 \\ 0100 \\ 0014 \end{bmatrix} \\
 L_5 &= \begin{bmatrix} 1000 \\ 0100 \\ 0015 \end{bmatrix} \\
 L_6 &= \begin{bmatrix} 1000 \\ 0100 \\ 0016 \end{bmatrix} \\
 L_7 &= \begin{bmatrix} 1000 \\ 0100 \\ 0017 \end{bmatrix} \\
 L_8 &= \begin{bmatrix} 1000 \\ 0100 \\ 0001 \end{bmatrix} \\
 L_9 &= \begin{bmatrix} 1000 \\ 0101 \\ 0010 \end{bmatrix} \\
 L_{10} &= \begin{bmatrix} 1000 \\ 0101 \\ 0011 \end{bmatrix} \\
 L_{11} &= \begin{bmatrix} 1000 \\ 0101 \\ 0012 \end{bmatrix} \\
 L_{12} &= \begin{bmatrix} 1000 \\ 0101 \\ 0013 \end{bmatrix}
 \end{aligned}$$

$$\begin{aligned}
L_{13} &= \begin{bmatrix} 1000 \\ 0101 \\ 0014 \end{bmatrix} \\
L_{14} &= \begin{bmatrix} 1000 \\ 0101 \\ 0015 \end{bmatrix} \\
L_{15} &= \begin{bmatrix} 1000 \\ 0101 \\ 0016 \end{bmatrix} \\
L_{16} &= \begin{bmatrix} 1000 \\ 0101 \\ 0017 \end{bmatrix} \\
L_{17} &= \begin{bmatrix} 1000 \\ 0110 \\ 0001 \end{bmatrix} \\
L_{18} &= \begin{bmatrix} 1000 \\ 0102 \\ 0010 \end{bmatrix} \\
L_{19} &= \begin{bmatrix} 1000 \\ 0102 \\ 0011 \end{bmatrix} \\
L_{20} &= \begin{bmatrix} 1000 \\ 0102 \\ 0012 \end{bmatrix} \\
L_{21} &= \begin{bmatrix} 1000 \\ 0102 \\ 0013 \end{bmatrix} \\
L_{22} &= \begin{bmatrix} 1000 \\ 0102 \\ 0014 \end{bmatrix} \\
L_{23} &= \begin{bmatrix} 1000 \\ 0102 \\ 0015 \end{bmatrix} \\
L_{24} &= \begin{bmatrix} 1000 \\ 0102 \\ 0016 \end{bmatrix} \\
L_{25} &= \begin{bmatrix} 1000 \\ 0102 \\ 0017 \end{bmatrix} \\
L_{26} &= \begin{bmatrix} 1000 \\ 0120 \\ 0001 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{27} &= \begin{bmatrix} 1000 \\ 0103 \\ 0010 \end{bmatrix} \\
L_{28} &= \begin{bmatrix} 1000 \\ 0103 \\ 0011 \end{bmatrix} \\
L_{29} &= \begin{bmatrix} 1000 \\ 0103 \\ 0012 \end{bmatrix} \\
L_{30} &= \begin{bmatrix} 1000 \\ 0103 \\ 0013 \end{bmatrix} \\
L_{31} &= \begin{bmatrix} 1000 \\ 0103 \\ 0014 \end{bmatrix} \\
L_{32} &= \begin{bmatrix} 1000 \\ 0103 \\ 0015 \end{bmatrix} \\
L_{33} &= \begin{bmatrix} 1000 \\ 0103 \\ 0016 \end{bmatrix} \\
L_{34} &= \begin{bmatrix} 1000 \\ 0103 \\ 0017 \end{bmatrix} \\
L_{35} &= \begin{bmatrix} 1000 \\ 0130 \\ 0001 \end{bmatrix} \\
L_{36} &= \begin{bmatrix} 1000 \\ 0104 \\ 0010 \end{bmatrix} \\
L_{37} &= \begin{bmatrix} 1000 \\ 0104 \\ 0011 \end{bmatrix} \\
L_{38} &= \begin{bmatrix} 1000 \\ 0104 \\ 0012 \end{bmatrix} \\
L_{39} &= \begin{bmatrix} 1000 \\ 0104 \\ 0013 \end{bmatrix} \\
L_{40} &= \begin{bmatrix} 1000 \\ 0104 \\ 0014 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{41} &= \begin{bmatrix} 1000 \\ 0104 \\ 0015 \end{bmatrix} \\
L_{42} &= \begin{bmatrix} 1000 \\ 0104 \\ 0016 \end{bmatrix} \\
L_{43} &= \begin{bmatrix} 1000 \\ 0104 \\ 0017 \end{bmatrix} \\
L_{44} &= \begin{bmatrix} 1000 \\ 0140 \\ 0001 \end{bmatrix} \\
L_{45} &= \begin{bmatrix} 1000 \\ 0105 \\ 0010 \end{bmatrix} \\
L_{46} &= \begin{bmatrix} 1000 \\ 0105 \\ 0011 \end{bmatrix} \\
L_{47} &= \begin{bmatrix} 1000 \\ 0105 \\ 0012 \end{bmatrix} \\
L_{48} &= \begin{bmatrix} 1000 \\ 0105 \\ 0013 \end{bmatrix} \\
L_{49} &= \begin{bmatrix} 1000 \\ 0105 \\ 0014 \end{bmatrix} \\
L_{50} &= \begin{bmatrix} 1000 \\ 0105 \\ 0015 \end{bmatrix} \\
L_{51} &= \begin{bmatrix} 1000 \\ 0105 \\ 0016 \end{bmatrix} \\
L_{52} &= \begin{bmatrix} 1000 \\ 0105 \\ 0017 \end{bmatrix} \\
L_{53} &= \begin{bmatrix} 1000 \\ 0150 \\ 0001 \end{bmatrix} \\
L_{54} &= \begin{bmatrix} 1000 \\ 0106 \\ 0010 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{55} &= \begin{bmatrix} 1000 \\ 0106 \\ 0011 \end{bmatrix} \\
L_{56} &= \begin{bmatrix} 1000 \\ 0106 \\ 0012 \end{bmatrix} \\
L_{57} &= \begin{bmatrix} 1000 \\ 0106 \\ 0013 \end{bmatrix} \\
L_{58} &= \begin{bmatrix} 1000 \\ 0106 \\ 0014 \end{bmatrix} \\
L_{59} &= \begin{bmatrix} 1000 \\ 0106 \\ 0015 \end{bmatrix} \\
L_{60} &= \begin{bmatrix} 1000 \\ 0106 \\ 0016 \end{bmatrix} \\
L_{61} &= \begin{bmatrix} 1000 \\ 0106 \\ 0017 \end{bmatrix} \\
L_{62} &= \begin{bmatrix} 1000 \\ 0160 \\ 0001 \end{bmatrix} \\
L_{63} &= \begin{bmatrix} 1000 \\ 0107 \\ 0010 \end{bmatrix} \\
L_{64} &= \begin{bmatrix} 1000 \\ 0107 \\ 0011 \end{bmatrix} \\
L_{65} &= \begin{bmatrix} 1000 \\ 0107 \\ 0012 \end{bmatrix} \\
L_{66} &= \begin{bmatrix} 1000 \\ 0107 \\ 0013 \end{bmatrix} \\
L_{67} &= \begin{bmatrix} 1000 \\ 0107 \\ 0014 \end{bmatrix} \\
L_{68} &= \begin{bmatrix} 1000 \\ 0107 \\ 0015 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
L_{69} &= \begin{bmatrix} 1000 \\ 0107 \\ 0016 \end{bmatrix} \\
L_{70} &= \begin{bmatrix} 1000 \\ 0107 \\ 0017 \end{bmatrix} \\
L_{71} &= \begin{bmatrix} 1000 \\ 0170 \\ 0001 \end{bmatrix} \\
L_{72} &= \begin{bmatrix} 1000 \\ 0010 \\ 0001 \end{bmatrix} \\
L_{73} &= \begin{bmatrix} 1001 \\ 0100 \\ 0010 \end{bmatrix} \\
L_{74} &= \begin{bmatrix} 1001 \\ 0100 \\ 0011 \end{bmatrix} \\
L_{75} &= \begin{bmatrix} 1001 \\ 0100 \\ 0012 \end{bmatrix} \\
L_{76} &= \begin{bmatrix} 1001 \\ 0100 \\ 0013 \end{bmatrix} \\
L_{77} &= \begin{bmatrix} 1001 \\ 0100 \\ 0014 \end{bmatrix} \\
L_{78} &= \begin{bmatrix} 1001 \\ 0100 \\ 0015 \end{bmatrix} \\
L_{79} &= \begin{bmatrix} 1001 \\ 0100 \\ 0016 \end{bmatrix} \\
L_{80} &= \begin{bmatrix} 1001 \\ 0100 \\ 0017 \end{bmatrix} \\
L_{81} &= \begin{bmatrix} 1010 \\ 0100 \\ 0001 \end{bmatrix} \\
L_{82} &= \begin{bmatrix} 1001 \\ 0101 \\ 0010 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{83} &= \begin{bmatrix} 1001 \\ 0101 \\ 0011 \end{bmatrix} \\
L_{84} &= \begin{bmatrix} 1001 \\ 0101 \\ 0012 \end{bmatrix} \\
L_{85} &= \begin{bmatrix} 1001 \\ 0101 \\ 0013 \end{bmatrix} \\
L_{86} &= \begin{bmatrix} 1001 \\ 0101 \\ 0014 \end{bmatrix} \\
L_{87} &= \begin{bmatrix} 1001 \\ 0101 \\ 0015 \end{bmatrix} \\
L_{88} &= \begin{bmatrix} 1001 \\ 0101 \\ 0016 \end{bmatrix} \\
L_{89} &= \begin{bmatrix} 1001 \\ 0101 \\ 0017 \end{bmatrix} \\
L_{90} &= \begin{bmatrix} 1010 \\ 0110 \\ 0001 \end{bmatrix} \\
L_{91} &= \begin{bmatrix} 1001 \\ 0102 \\ 0010 \end{bmatrix} \\
L_{92} &= \begin{bmatrix} 1001 \\ 0102 \\ 0011 \end{bmatrix} \\
L_{93} &= \begin{bmatrix} 1001 \\ 0102 \\ 0012 \end{bmatrix} \\
L_{94} &= \begin{bmatrix} 1001 \\ 0102 \\ 0013 \end{bmatrix} \\
L_{95} &= \begin{bmatrix} 1001 \\ 0102 \\ 0014 \end{bmatrix} \\
L_{96} &= \begin{bmatrix} 1001 \\ 0102 \\ 0015 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{97} &= \begin{bmatrix} 1001 \\ 0102 \\ 0016 \end{bmatrix} \\
L_{98} &= \begin{bmatrix} 1001 \\ 0102 \\ 0017 \end{bmatrix} \\
L_{99} &= \begin{bmatrix} 1010 \\ 0120 \\ 0001 \end{bmatrix} \\
L_{100} &= \begin{bmatrix} 1001 \\ 0103 \\ 0010 \end{bmatrix} \\
L_{101} &= \begin{bmatrix} 1001 \\ 0103 \\ 0011 \end{bmatrix} \\
L_{102} &= \begin{bmatrix} 1001 \\ 0103 \\ 0012 \end{bmatrix} \\
L_{103} &= \begin{bmatrix} 1001 \\ 0103 \\ 0013 \end{bmatrix} \\
L_{104} &= \begin{bmatrix} 1001 \\ 0103 \\ 0014 \end{bmatrix} \\
L_{105} &= \begin{bmatrix} 1001 \\ 0103 \\ 0015 \end{bmatrix} \\
L_{106} &= \begin{bmatrix} 1001 \\ 0103 \\ 0016 \end{bmatrix} \\
L_{107} &= \begin{bmatrix} 1001 \\ 0103 \\ 0017 \end{bmatrix} \\
L_{108} &= \begin{bmatrix} 1010 \\ 0130 \\ 0001 \end{bmatrix} \\
L_{109} &= \begin{bmatrix} 1001 \\ 0104 \\ 0010 \end{bmatrix} \\
L_{110} &= \begin{bmatrix} 1001 \\ 0104 \\ 0011 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{111} &= \begin{bmatrix} 1001 \\ 0104 \\ 0012 \end{bmatrix} \\
L_{112} &= \begin{bmatrix} 1001 \\ 0104 \\ 0013 \end{bmatrix} \\
L_{113} &= \begin{bmatrix} 1001 \\ 0104 \\ 0014 \end{bmatrix} \\
L_{114} &= \begin{bmatrix} 1001 \\ 0104 \\ 0015 \end{bmatrix} \\
L_{115} &= \begin{bmatrix} 1001 \\ 0104 \\ 0016 \end{bmatrix} \\
L_{116} &= \begin{bmatrix} 1001 \\ 0104 \\ 0017 \end{bmatrix} \\
L_{117} &= \begin{bmatrix} 1010 \\ 0140 \\ 0001 \end{bmatrix} \\
L_{118} &= \begin{bmatrix} 1001 \\ 0105 \\ 0010 \end{bmatrix} \\
L_{119} &= \begin{bmatrix} 1001 \\ 0105 \\ 0011 \end{bmatrix} \\
L_{120} &= \begin{bmatrix} 1001 \\ 0105 \\ 0012 \end{bmatrix} \\
L_{121} &= \begin{bmatrix} 1001 \\ 0105 \\ 0013 \end{bmatrix} \\
L_{122} &= \begin{bmatrix} 1001 \\ 0105 \\ 0014 \end{bmatrix} \\
L_{123} &= \begin{bmatrix} 1001 \\ 0105 \\ 0015 \end{bmatrix} \\
L_{124} &= \begin{bmatrix} 1001 \\ 0105 \\ 0016 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{125} &= \begin{bmatrix} 1001 \\ 0105 \\ 0017 \end{bmatrix} \\
L_{126} &= \begin{bmatrix} 1010 \\ 0150 \\ 0001 \end{bmatrix} \\
L_{127} &= \begin{bmatrix} 1001 \\ 0106 \\ 0010 \end{bmatrix} \\
L_{128} &= \begin{bmatrix} 1001 \\ 0106 \\ 0011 \end{bmatrix} \\
L_{129} &= \begin{bmatrix} 1001 \\ 0106 \\ 0012 \end{bmatrix} \\
L_{130} &= \begin{bmatrix} 1001 \\ 0106 \\ 0013 \end{bmatrix} \\
L_{131} &= \begin{bmatrix} 1001 \\ 0106 \\ 0014 \end{bmatrix} \\
L_{132} &= \begin{bmatrix} 1001 \\ 0106 \\ 0015 \end{bmatrix} \\
L_{133} &= \begin{bmatrix} 1001 \\ 0106 \\ 0016 \end{bmatrix} \\
L_{134} &= \begin{bmatrix} 1001 \\ 0106 \\ 0017 \end{bmatrix} \\
L_{135} &= \begin{bmatrix} 1010 \\ 0160 \\ 0001 \end{bmatrix} \\
L_{136} &= \begin{bmatrix} 1001 \\ 0107 \\ 0010 \end{bmatrix} \\
L_{137} &= \begin{bmatrix} 1001 \\ 0107 \\ 0011 \end{bmatrix} \\
L_{138} &= \begin{bmatrix} 1001 \\ 0107 \\ 0012 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{139} &= \begin{bmatrix} 1001 \\ 0107 \\ 0013 \end{bmatrix} \\
L_{140} &= \begin{bmatrix} 1001 \\ 0107 \\ 0014 \end{bmatrix} \\
L_{141} &= \begin{bmatrix} 1001 \\ 0107 \\ 0015 \end{bmatrix} \\
L_{142} &= \begin{bmatrix} 1001 \\ 0107 \\ 0016 \end{bmatrix} \\
L_{143} &= \begin{bmatrix} 1001 \\ 0107 \\ 0017 \end{bmatrix} \\
L_{144} &= \begin{bmatrix} 1010 \\ 0170 \\ 0001 \end{bmatrix} \\
L_{145} &= \begin{bmatrix} 1100 \\ 0010 \\ 0001 \end{bmatrix} \\
L_{146} &= \begin{bmatrix} 1002 \\ 0100 \\ 0010 \end{bmatrix} \\
L_{147} &= \begin{bmatrix} 1002 \\ 0100 \\ 0011 \end{bmatrix} \\
L_{148} &= \begin{bmatrix} 1002 \\ 0100 \\ 0012 \end{bmatrix} \\
L_{149} &= \begin{bmatrix} 1002 \\ 0100 \\ 0013 \end{bmatrix} \\
L_{150} &= \begin{bmatrix} 1002 \\ 0100 \\ 0014 \end{bmatrix} \\
L_{151} &= \begin{bmatrix} 1002 \\ 0100 \\ 0015 \end{bmatrix} \\
L_{152} &= \begin{bmatrix} 1002 \\ 0100 \\ 0016 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{153} &= \begin{bmatrix} 1002 \\ 0100 \\ 0017 \end{bmatrix} \\
L_{154} &= \begin{bmatrix} 1020 \\ 0100 \\ 0001 \end{bmatrix} \\
L_{155} &= \begin{bmatrix} 1002 \\ 0101 \\ 0010 \end{bmatrix} \\
L_{156} &= \begin{bmatrix} 1002 \\ 0101 \\ 0011 \end{bmatrix} \\
L_{157} &= \begin{bmatrix} 1002 \\ 0101 \\ 0012 \end{bmatrix} \\
L_{158} &= \begin{bmatrix} 1002 \\ 0101 \\ 0013 \end{bmatrix} \\
L_{159} &= \begin{bmatrix} 1002 \\ 0101 \\ 0014 \end{bmatrix} \\
L_{160} &= \begin{bmatrix} 1002 \\ 0101 \\ 0015 \end{bmatrix} \\
L_{161} &= \begin{bmatrix} 1002 \\ 0101 \\ 0016 \end{bmatrix} \\
L_{162} &= \begin{bmatrix} 1002 \\ 0101 \\ 0017 \end{bmatrix} \\
L_{163} &= \begin{bmatrix} 1020 \\ 0110 \\ 0001 \end{bmatrix} \\
L_{164} &= \begin{bmatrix} 1002 \\ 0102 \\ 0010 \end{bmatrix} \\
L_{165} &= \begin{bmatrix} 1002 \\ 0102 \\ 0011 \end{bmatrix} \\
L_{166} &= \begin{bmatrix} 1002 \\ 0102 \\ 0012 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{167} &= \begin{bmatrix} 1002 \\ 0102 \\ 0013 \end{bmatrix} \\
L_{168} &= \begin{bmatrix} 1002 \\ 0102 \\ 0014 \end{bmatrix} \\
L_{169} &= \begin{bmatrix} 1002 \\ 0102 \\ 0015 \end{bmatrix} \\
L_{170} &= \begin{bmatrix} 1002 \\ 0102 \\ 0016 \end{bmatrix} \\
L_{171} &= \begin{bmatrix} 1002 \\ 0102 \\ 0017 \end{bmatrix} \\
L_{172} &= \begin{bmatrix} 1020 \\ 0120 \\ 0001 \end{bmatrix} \\
L_{173} &= \begin{bmatrix} 1002 \\ 0103 \\ 0010 \end{bmatrix} \\
L_{174} &= \begin{bmatrix} 1002 \\ 0103 \\ 0011 \end{bmatrix} \\
L_{175} &= \begin{bmatrix} 1002 \\ 0103 \\ 0012 \end{bmatrix} \\
L_{176} &= \begin{bmatrix} 1002 \\ 0103 \\ 0013 \end{bmatrix} \\
L_{177} &= \begin{bmatrix} 1002 \\ 0103 \\ 0014 \end{bmatrix} \\
L_{178} &= \begin{bmatrix} 1002 \\ 0103 \\ 0015 \end{bmatrix} \\
L_{179} &= \begin{bmatrix} 1002 \\ 0103 \\ 0016 \end{bmatrix} \\
L_{180} &= \begin{bmatrix} 1002 \\ 0103 \\ 0017 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
L_{181} &= \begin{bmatrix} 1020 \\ 0130 \\ 0001 \end{bmatrix} \\
L_{182} &= \begin{bmatrix} 1002 \\ 0104 \\ 0010 \end{bmatrix} \\
L_{183} &= \begin{bmatrix} 1002 \\ 0104 \\ 0011 \end{bmatrix} \\
L_{184} &= \begin{bmatrix} 1002 \\ 0104 \\ 0012 \end{bmatrix} \\
L_{185} &= \begin{bmatrix} 1002 \\ 0104 \\ 0013 \end{bmatrix} \\
L_{186} &= \begin{bmatrix} 1002 \\ 0104 \\ 0014 \end{bmatrix} \\
L_{187} &= \begin{bmatrix} 1002 \\ 0104 \\ 0015 \end{bmatrix} \\
L_{188} &= \begin{bmatrix} 1002 \\ 0104 \\ 0016 \end{bmatrix} \\
L_{189} &= \begin{bmatrix} 1002 \\ 0104 \\ 0017 \end{bmatrix} \\
L_{190} &= \begin{bmatrix} 1020 \\ 0140 \\ 0001 \end{bmatrix} \\
L_{191} &= \begin{bmatrix} 1002 \\ 0105 \\ 0010 \end{bmatrix} \\
L_{192} &= \begin{bmatrix} 1002 \\ 0105 \\ 0011 \end{bmatrix} \\
L_{193} &= \begin{bmatrix} 1002 \\ 0105 \\ 0012 \end{bmatrix} \\
L_{194} &= \begin{bmatrix} 1002 \\ 0105 \\ 0013 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{195} &= \begin{bmatrix} 1002 \\ 0105 \\ 0014 \end{bmatrix} \\
L_{196} &= \begin{bmatrix} 1002 \\ 0105 \\ 0015 \end{bmatrix} \\
L_{197} &= \begin{bmatrix} 1002 \\ 0105 \\ 0016 \end{bmatrix} \\
L_{198} &= \begin{bmatrix} 1002 \\ 0105 \\ 0017 \end{bmatrix} \\
L_{199} &= \begin{bmatrix} 1020 \\ 0150 \\ 0001 \end{bmatrix} \\
L_{200} &= \begin{bmatrix} 1002 \\ 0106 \\ 0010 \end{bmatrix} \\
L_{201} &= \begin{bmatrix} 1002 \\ 0106 \\ 0011 \end{bmatrix} \\
L_{202} &= \begin{bmatrix} 1002 \\ 0106 \\ 0012 \end{bmatrix} \\
L_{203} &= \begin{bmatrix} 1002 \\ 0106 \\ 0013 \end{bmatrix} \\
L_{204} &= \begin{bmatrix} 1002 \\ 0106 \\ 0014 \end{bmatrix} \\
L_{205} &= \begin{bmatrix} 1002 \\ 0106 \\ 0015 \end{bmatrix} \\
L_{206} &= \begin{bmatrix} 1002 \\ 0106 \\ 0016 \end{bmatrix} \\
L_{207} &= \begin{bmatrix} 1002 \\ 0106 \\ 0017 \end{bmatrix} \\
L_{208} &= \begin{bmatrix} 1020 \\ 0160 \\ 0001 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{209} &= \begin{bmatrix} 1002 \\ 0107 \\ 0010 \end{bmatrix} \\
L_{210} &= \begin{bmatrix} 1002 \\ 0107 \\ 0011 \end{bmatrix} \\
L_{211} &= \begin{bmatrix} 1002 \\ 0107 \\ 0012 \end{bmatrix} \\
L_{212} &= \begin{bmatrix} 1002 \\ 0107 \\ 0013 \end{bmatrix} \\
L_{213} &= \begin{bmatrix} 1002 \\ 0107 \\ 0014 \end{bmatrix} \\
L_{214} &= \begin{bmatrix} 1002 \\ 0107 \\ 0015 \end{bmatrix} \\
L_{215} &= \begin{bmatrix} 1002 \\ 0107 \\ 0016 \end{bmatrix} \\
L_{216} &= \begin{bmatrix} 1002 \\ 0107 \\ 0017 \end{bmatrix} \\
L_{217} &= \begin{bmatrix} 1020 \\ 0170 \\ 0001 \end{bmatrix} \\
L_{218} &= \begin{bmatrix} 1200 \\ 0010 \\ 0001 \end{bmatrix} \\
L_{219} &= \begin{bmatrix} 1003 \\ 0100 \\ 0010 \end{bmatrix} \\
L_{220} &= \begin{bmatrix} 1003 \\ 0100 \\ 0011 \end{bmatrix} \\
L_{221} &= \begin{bmatrix} 1003 \\ 0100 \\ 0012 \end{bmatrix} \\
L_{222} &= \begin{bmatrix} 1003 \\ 0100 \\ 0013 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{223} &= \begin{bmatrix} 1003 \\ 0100 \\ 0014 \end{bmatrix} \\
L_{224} &= \begin{bmatrix} 1003 \\ 0100 \\ 0015 \end{bmatrix} \\
L_{225} &= \begin{bmatrix} 1003 \\ 0100 \\ 0016 \end{bmatrix} \\
L_{226} &= \begin{bmatrix} 1003 \\ 0100 \\ 0017 \end{bmatrix} \\
L_{227} &= \begin{bmatrix} 1030 \\ 0100 \\ 0001 \end{bmatrix} \\
L_{228} &= \begin{bmatrix} 1003 \\ 0101 \\ 0010 \end{bmatrix} \\
L_{229} &= \begin{bmatrix} 1003 \\ 0101 \\ 0011 \end{bmatrix} \\
L_{230} &= \begin{bmatrix} 1003 \\ 0101 \\ 0012 \end{bmatrix} \\
L_{231} &= \begin{bmatrix} 1003 \\ 0101 \\ 0013 \end{bmatrix} \\
L_{232} &= \begin{bmatrix} 1003 \\ 0101 \\ 0014 \end{bmatrix} \\
L_{233} &= \begin{bmatrix} 1003 \\ 0101 \\ 0015 \end{bmatrix} \\
L_{234} &= \begin{bmatrix} 1003 \\ 0101 \\ 0016 \end{bmatrix} \\
L_{235} &= \begin{bmatrix} 1003 \\ 0101 \\ 0017 \end{bmatrix} \\
L_{236} &= \begin{bmatrix} 1030 \\ 0110 \\ 0001 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{237} &= \begin{bmatrix} 1003 \\ 0102 \\ 0010 \end{bmatrix} \\
L_{238} &= \begin{bmatrix} 1003 \\ 0102 \\ 0011 \end{bmatrix} \\
L_{239} &= \begin{bmatrix} 1003 \\ 0102 \\ 0012 \end{bmatrix} \\
L_{240} &= \begin{bmatrix} 1003 \\ 0102 \\ 0013 \end{bmatrix} \\
L_{241} &= \begin{bmatrix} 1003 \\ 0102 \\ 0014 \end{bmatrix} \\
L_{242} &= \begin{bmatrix} 1003 \\ 0102 \\ 0015 \end{bmatrix} \\
L_{243} &= \begin{bmatrix} 1003 \\ 0102 \\ 0016 \end{bmatrix} \\
L_{244} &= \begin{bmatrix} 1003 \\ 0102 \\ 0017 \end{bmatrix} \\
L_{245} &= \begin{bmatrix} 1030 \\ 0120 \\ 0001 \end{bmatrix} \\
L_{246} &= \begin{bmatrix} 1003 \\ 0103 \\ 0010 \end{bmatrix} \\
L_{247} &= \begin{bmatrix} 1003 \\ 0103 \\ 0011 \end{bmatrix} \\
L_{248} &= \begin{bmatrix} 1003 \\ 0103 \\ 0012 \end{bmatrix} \\
L_{249} &= \begin{bmatrix} 1003 \\ 0103 \\ 0013 \end{bmatrix} \\
L_{250} &= \begin{bmatrix} 1003 \\ 0103 \\ 0014 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{251} &= \begin{bmatrix} 1003 \\ 0103 \\ 0015 \end{bmatrix} \\
L_{252} &= \begin{bmatrix} 1003 \\ 0103 \\ 0016 \end{bmatrix} \\
L_{253} &= \begin{bmatrix} 1003 \\ 0103 \\ 0017 \end{bmatrix} \\
L_{254} &= \begin{bmatrix} 1030 \\ 0130 \\ 0001 \end{bmatrix} \\
L_{255} &= \begin{bmatrix} 1003 \\ 0104 \\ 0010 \end{bmatrix} \\
L_{256} &= \begin{bmatrix} 1003 \\ 0104 \\ 0011 \end{bmatrix} \\
L_{257} &= \begin{bmatrix} 1003 \\ 0104 \\ 0012 \end{bmatrix} \\
L_{258} &= \begin{bmatrix} 1003 \\ 0104 \\ 0013 \end{bmatrix} \\
L_{259} &= \begin{bmatrix} 1003 \\ 0104 \\ 0014 \end{bmatrix} \\
L_{260} &= \begin{bmatrix} 1003 \\ 0104 \\ 0015 \end{bmatrix} \\
L_{261} &= \begin{bmatrix} 1003 \\ 0104 \\ 0016 \end{bmatrix} \\
L_{262} &= \begin{bmatrix} 1003 \\ 0104 \\ 0017 \end{bmatrix} \\
L_{263} &= \begin{bmatrix} 1030 \\ 0140 \\ 0001 \end{bmatrix} \\
L_{264} &= \begin{bmatrix} 1003 \\ 0105 \\ 0010 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{265} &= \begin{bmatrix} 1003 \\ 0105 \\ 0011 \end{bmatrix} \\
L_{266} &= \begin{bmatrix} 1003 \\ 0105 \\ 0012 \end{bmatrix} \\
L_{267} &= \begin{bmatrix} 1003 \\ 0105 \\ 0013 \end{bmatrix} \\
L_{268} &= \begin{bmatrix} 1003 \\ 0105 \\ 0014 \end{bmatrix} \\
L_{269} &= \begin{bmatrix} 1003 \\ 0105 \\ 0015 \end{bmatrix} \\
L_{270} &= \begin{bmatrix} 1003 \\ 0105 \\ 0016 \end{bmatrix} \\
L_{271} &= \begin{bmatrix} 1003 \\ 0105 \\ 0017 \end{bmatrix} \\
L_{272} &= \begin{bmatrix} 1030 \\ 0150 \\ 0001 \end{bmatrix} \\
L_{273} &= \begin{bmatrix} 1003 \\ 0106 \\ 0010 \end{bmatrix} \\
L_{274} &= \begin{bmatrix} 1003 \\ 0106 \\ 0011 \end{bmatrix} \\
L_{275} &= \begin{bmatrix} 1003 \\ 0106 \\ 0012 \end{bmatrix} \\
L_{276} &= \begin{bmatrix} 1003 \\ 0106 \\ 0013 \end{bmatrix} \\
L_{277} &= \begin{bmatrix} 1003 \\ 0106 \\ 0014 \end{bmatrix} \\
L_{278} &= \begin{bmatrix} 1003 \\ 0106 \\ 0015 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{279} &= \begin{bmatrix} 1003 \\ 0106 \\ 0016 \end{bmatrix} \\
L_{280} &= \begin{bmatrix} 1003 \\ 0106 \\ 0017 \end{bmatrix} \\
L_{281} &= \begin{bmatrix} 1030 \\ 0160 \\ 0001 \end{bmatrix} \\
L_{282} &= \begin{bmatrix} 1003 \\ 0107 \\ 0010 \end{bmatrix} \\
L_{283} &= \begin{bmatrix} 1003 \\ 0107 \\ 0011 \end{bmatrix} \\
L_{284} &= \begin{bmatrix} 1003 \\ 0107 \\ 0012 \end{bmatrix} \\
L_{285} &= \begin{bmatrix} 1003 \\ 0107 \\ 0013 \end{bmatrix} \\
L_{286} &= \begin{bmatrix} 1003 \\ 0107 \\ 0014 \end{bmatrix} \\
L_{287} &= \begin{bmatrix} 1003 \\ 0107 \\ 0015 \end{bmatrix} \\
L_{288} &= \begin{bmatrix} 1003 \\ 0107 \\ 0016 \end{bmatrix} \\
L_{289} &= \begin{bmatrix} 1003 \\ 0107 \\ 0017 \end{bmatrix} \\
L_{290} &= \begin{bmatrix} 1030 \\ 0170 \\ 0001 \end{bmatrix} \\
L_{291} &= \begin{bmatrix} 1300 \\ 0010 \\ 0001 \end{bmatrix} \\
L_{292} &= \begin{bmatrix} 1004 \\ 0100 \\ 0010 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
L_{293} &= \begin{bmatrix} 1004 \\ 0100 \\ 0011 \end{bmatrix} \\
L_{294} &= \begin{bmatrix} 1004 \\ 0100 \\ 0012 \end{bmatrix} \\
L_{295} &= \begin{bmatrix} 1004 \\ 0100 \\ 0013 \end{bmatrix} \\
L_{296} &= \begin{bmatrix} 1004 \\ 0100 \\ 0014 \end{bmatrix} \\
L_{297} &= \begin{bmatrix} 1004 \\ 0100 \\ 0015 \end{bmatrix} \\
L_{298} &= \begin{bmatrix} 1004 \\ 0100 \\ 0016 \end{bmatrix} \\
L_{299} &= \begin{bmatrix} 1004 \\ 0100 \\ 0017 \end{bmatrix} \\
L_{300} &= \begin{bmatrix} 1040 \\ 0100 \\ 0001 \end{bmatrix} \\
L_{301} &= \begin{bmatrix} 1004 \\ 0101 \\ 0010 \end{bmatrix} \\
L_{302} &= \begin{bmatrix} 1004 \\ 0101 \\ 0011 \end{bmatrix} \\
L_{303} &= \begin{bmatrix} 1004 \\ 0101 \\ 0012 \end{bmatrix} \\
L_{304} &= \begin{bmatrix} 1004 \\ 0101 \\ 0013 \end{bmatrix} \\
L_{305} &= \begin{bmatrix} 1004 \\ 0101 \\ 0014 \end{bmatrix} \\
L_{306} &= \begin{bmatrix} 1004 \\ 0101 \\ 0015 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{307} &= \begin{bmatrix} 1004 \\ 0101 \\ 0016 \end{bmatrix} \\
L_{308} &= \begin{bmatrix} 1004 \\ 0101 \\ 0017 \end{bmatrix} \\
L_{309} &= \begin{bmatrix} 1040 \\ 0110 \\ 0001 \end{bmatrix} \\
L_{310} &= \begin{bmatrix} 1004 \\ 0102 \\ 0010 \end{bmatrix} \\
L_{311} &= \begin{bmatrix} 1004 \\ 0102 \\ 0011 \end{bmatrix} \\
L_{312} &= \begin{bmatrix} 1004 \\ 0102 \\ 0012 \end{bmatrix} \\
L_{313} &= \begin{bmatrix} 1004 \\ 0102 \\ 0013 \end{bmatrix} \\
L_{314} &= \begin{bmatrix} 1004 \\ 0102 \\ 0014 \end{bmatrix} \\
L_{315} &= \begin{bmatrix} 1004 \\ 0102 \\ 0015 \end{bmatrix} \\
L_{316} &= \begin{bmatrix} 1004 \\ 0102 \\ 0016 \end{bmatrix} \\
L_{317} &= \begin{bmatrix} 1004 \\ 0102 \\ 0017 \end{bmatrix} \\
L_{318} &= \begin{bmatrix} 1040 \\ 0120 \\ 0001 \end{bmatrix} \\
L_{319} &= \begin{bmatrix} 1004 \\ 0103 \\ 0010 \end{bmatrix} \\
L_{320} &= \begin{bmatrix} 1004 \\ 0103 \\ 0011 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{321} &= \begin{bmatrix} 1004 \\ 0103 \\ 0012 \end{bmatrix} \\
L_{322} &= \begin{bmatrix} 1004 \\ 0103 \\ 0013 \end{bmatrix} \\
L_{323} &= \begin{bmatrix} 1004 \\ 0103 \\ 0014 \end{bmatrix} \\
L_{324} &= \begin{bmatrix} 1004 \\ 0103 \\ 0015 \end{bmatrix} \\
L_{325} &= \begin{bmatrix} 1004 \\ 0103 \\ 0016 \end{bmatrix} \\
L_{326} &= \begin{bmatrix} 1004 \\ 0103 \\ 0017 \end{bmatrix} \\
L_{327} &= \begin{bmatrix} 1040 \\ 0130 \\ 0001 \end{bmatrix} \\
L_{328} &= \begin{bmatrix} 1004 \\ 0104 \\ 0010 \end{bmatrix} \\
L_{329} &= \begin{bmatrix} 1004 \\ 0104 \\ 0011 \end{bmatrix} \\
L_{330} &= \begin{bmatrix} 1004 \\ 0104 \\ 0012 \end{bmatrix} \\
L_{331} &= \begin{bmatrix} 1004 \\ 0104 \\ 0013 \end{bmatrix} \\
L_{332} &= \begin{bmatrix} 1004 \\ 0104 \\ 0014 \end{bmatrix} \\
L_{333} &= \begin{bmatrix} 1004 \\ 0104 \\ 0015 \end{bmatrix} \\
L_{334} &= \begin{bmatrix} 1004 \\ 0104 \\ 0016 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{335} &= \begin{bmatrix} 1004 \\ 0104 \\ 0017 \end{bmatrix} \\
L_{336} &= \begin{bmatrix} 1040 \\ 0140 \\ 0001 \end{bmatrix} \\
L_{337} &= \begin{bmatrix} 1004 \\ 0105 \\ 0010 \end{bmatrix} \\
L_{338} &= \begin{bmatrix} 1004 \\ 0105 \\ 0011 \end{bmatrix} \\
L_{339} &= \begin{bmatrix} 1004 \\ 0105 \\ 0012 \end{bmatrix} \\
L_{340} &= \begin{bmatrix} 1004 \\ 0105 \\ 0013 \end{bmatrix} \\
L_{341} &= \begin{bmatrix} 1004 \\ 0105 \\ 0014 \end{bmatrix} \\
L_{342} &= \begin{bmatrix} 1004 \\ 0105 \\ 0015 \end{bmatrix} \\
L_{343} &= \begin{bmatrix} 1004 \\ 0105 \\ 0016 \end{bmatrix} \\
L_{344} &= \begin{bmatrix} 1004 \\ 0105 \\ 0017 \end{bmatrix} \\
L_{345} &= \begin{bmatrix} 1040 \\ 0150 \\ 0001 \end{bmatrix} \\
L_{346} &= \begin{bmatrix} 1004 \\ 0106 \\ 0010 \end{bmatrix} \\
L_{347} &= \begin{bmatrix} 1004 \\ 0106 \\ 0011 \end{bmatrix} \\
L_{348} &= \begin{bmatrix} 1004 \\ 0106 \\ 0012 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{349} &= \begin{bmatrix} 1004 \\ 0106 \\ 0013 \end{bmatrix} \\
L_{350} &= \begin{bmatrix} 1004 \\ 0106 \\ 0014 \end{bmatrix} \\
L_{351} &= \begin{bmatrix} 1004 \\ 0106 \\ 0015 \end{bmatrix} \\
L_{352} &= \begin{bmatrix} 1004 \\ 0106 \\ 0016 \end{bmatrix} \\
L_{353} &= \begin{bmatrix} 1004 \\ 0106 \\ 0017 \end{bmatrix} \\
L_{354} &= \begin{bmatrix} 1040 \\ 0160 \\ 0001 \end{bmatrix} \\
L_{355} &= \begin{bmatrix} 1004 \\ 0107 \\ 0010 \end{bmatrix} \\
L_{356} &= \begin{bmatrix} 1004 \\ 0107 \\ 0011 \end{bmatrix} \\
L_{357} &= \begin{bmatrix} 1004 \\ 0107 \\ 0012 \end{bmatrix} \\
L_{358} &= \begin{bmatrix} 1004 \\ 0107 \\ 0013 \end{bmatrix} \\
L_{359} &= \begin{bmatrix} 1004 \\ 0107 \\ 0014 \end{bmatrix} \\
L_{360} &= \begin{bmatrix} 1004 \\ 0107 \\ 0015 \end{bmatrix} \\
L_{361} &= \begin{bmatrix} 1004 \\ 0107 \\ 0016 \end{bmatrix} \\
L_{362} &= \begin{bmatrix} 1004 \\ 0107 \\ 0017 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{363} &= \begin{bmatrix} 1040 \\ 0170 \\ 0001 \end{bmatrix} \\
L_{364} &= \begin{bmatrix} 1400 \\ 0010 \\ 0001 \end{bmatrix} \\
L_{365} &= \begin{bmatrix} 1005 \\ 0100 \\ 0010 \end{bmatrix} \\
L_{366} &= \begin{bmatrix} 1005 \\ 0100 \\ 0011 \end{bmatrix} \\
L_{367} &= \begin{bmatrix} 1005 \\ 0100 \\ 0012 \end{bmatrix} \\
L_{368} &= \begin{bmatrix} 1005 \\ 0100 \\ 0013 \end{bmatrix} \\
L_{369} &= \begin{bmatrix} 1005 \\ 0100 \\ 0014 \end{bmatrix} \\
L_{370} &= \begin{bmatrix} 1005 \\ 0100 \\ 0015 \end{bmatrix} \\
L_{371} &= \begin{bmatrix} 1005 \\ 0100 \\ 0016 \end{bmatrix} \\
L_{372} &= \begin{bmatrix} 1005 \\ 0100 \\ 0017 \end{bmatrix} \\
L_{373} &= \begin{bmatrix} 1050 \\ 0100 \\ 0001 \end{bmatrix} \\
L_{374} &= \begin{bmatrix} 1005 \\ 0101 \\ 0010 \end{bmatrix} \\
L_{375} &= \begin{bmatrix} 1005 \\ 0101 \\ 0011 \end{bmatrix} \\
L_{376} &= \begin{bmatrix} 1005 \\ 0101 \\ 0012 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{377} &= \begin{bmatrix} 1005 \\ 0101 \\ 0013 \end{bmatrix} \\
L_{378} &= \begin{bmatrix} 1005 \\ 0101 \\ 0014 \end{bmatrix} \\
L_{379} &= \begin{bmatrix} 1005 \\ 0101 \\ 0015 \end{bmatrix} \\
L_{380} &= \begin{bmatrix} 1005 \\ 0101 \\ 0016 \end{bmatrix} \\
L_{381} &= \begin{bmatrix} 1005 \\ 0101 \\ 0017 \end{bmatrix} \\
L_{382} &= \begin{bmatrix} 1050 \\ 0110 \\ 0001 \end{bmatrix} \\
L_{383} &= \begin{bmatrix} 1005 \\ 0102 \\ 0010 \end{bmatrix} \\
L_{384} &= \begin{bmatrix} 1005 \\ 0102 \\ 0011 \end{bmatrix} \\
L_{385} &= \begin{bmatrix} 1005 \\ 0102 \\ 0012 \end{bmatrix} \\
L_{386} &= \begin{bmatrix} 1005 \\ 0102 \\ 0013 \end{bmatrix} \\
L_{387} &= \begin{bmatrix} 1005 \\ 0102 \\ 0014 \end{bmatrix} \\
L_{388} &= \begin{bmatrix} 1005 \\ 0102 \\ 0015 \end{bmatrix} \\
L_{389} &= \begin{bmatrix} 1005 \\ 0102 \\ 0016 \end{bmatrix} \\
L_{390} &= \begin{bmatrix} 1005 \\ 0102 \\ 0017 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{391} &= \begin{bmatrix} 1050 \\ 0120 \\ 0001 \end{bmatrix} \\
L_{392} &= \begin{bmatrix} 1005 \\ 0103 \\ 0010 \end{bmatrix} \\
L_{393} &= \begin{bmatrix} 1005 \\ 0103 \\ 0011 \end{bmatrix} \\
L_{394} &= \begin{bmatrix} 1005 \\ 0103 \\ 0012 \end{bmatrix} \\
L_{395} &= \begin{bmatrix} 1005 \\ 0103 \\ 0013 \end{bmatrix} \\
L_{396} &= \begin{bmatrix} 1005 \\ 0103 \\ 0014 \end{bmatrix} \\
L_{397} &= \begin{bmatrix} 1005 \\ 0103 \\ 0015 \end{bmatrix} \\
L_{398} &= \begin{bmatrix} 1005 \\ 0103 \\ 0016 \end{bmatrix} \\
L_{399} &= \begin{bmatrix} 1005 \\ 0103 \\ 0017 \end{bmatrix} \\
L_{400} &= \begin{bmatrix} 1050 \\ 0130 \\ 0001 \end{bmatrix} \\
L_{401} &= \begin{bmatrix} 1005 \\ 0104 \\ 0010 \end{bmatrix} \\
L_{402} &= \begin{bmatrix} 1005 \\ 0104 \\ 0011 \end{bmatrix} \\
L_{403} &= \begin{bmatrix} 1005 \\ 0104 \\ 0012 \end{bmatrix} \\
L_{404} &= \begin{bmatrix} 1005 \\ 0104 \\ 0013 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
L_{405} &= \begin{bmatrix} 1005 \\ 0104 \\ 0014 \end{bmatrix} \\
L_{406} &= \begin{bmatrix} 1005 \\ 0104 \\ 0015 \end{bmatrix} \\
L_{407} &= \begin{bmatrix} 1005 \\ 0104 \\ 0016 \end{bmatrix} \\
L_{408} &= \begin{bmatrix} 1005 \\ 0104 \\ 0017 \end{bmatrix} \\
L_{409} &= \begin{bmatrix} 1050 \\ 0140 \\ 0001 \end{bmatrix} \\
L_{410} &= \begin{bmatrix} 1005 \\ 0105 \\ 0010 \end{bmatrix} \\
L_{411} &= \begin{bmatrix} 1005 \\ 0105 \\ 0011 \end{bmatrix} \\
L_{412} &= \begin{bmatrix} 1005 \\ 0105 \\ 0012 \end{bmatrix} \\
L_{413} &= \begin{bmatrix} 1005 \\ 0105 \\ 0013 \end{bmatrix} \\
L_{414} &= \begin{bmatrix} 1005 \\ 0105 \\ 0014 \end{bmatrix} \\
L_{415} &= \begin{bmatrix} 1005 \\ 0105 \\ 0015 \end{bmatrix} \\
L_{416} &= \begin{bmatrix} 1005 \\ 0105 \\ 0016 \end{bmatrix} \\
L_{417} &= \begin{bmatrix} 1005 \\ 0105 \\ 0017 \end{bmatrix} \\
L_{418} &= \begin{bmatrix} 1050 \\ 0150 \\ 0001 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{419} &= \begin{bmatrix} 1005 \\ 0106 \\ 0010 \end{bmatrix} \\
L_{420} &= \begin{bmatrix} 1005 \\ 0106 \\ 0011 \end{bmatrix} \\
L_{421} &= \begin{bmatrix} 1005 \\ 0106 \\ 0012 \end{bmatrix} \\
L_{422} &= \begin{bmatrix} 1005 \\ 0106 \\ 0013 \end{bmatrix} \\
L_{423} &= \begin{bmatrix} 1005 \\ 0106 \\ 0014 \end{bmatrix} \\
L_{424} &= \begin{bmatrix} 1005 \\ 0106 \\ 0015 \end{bmatrix} \\
L_{425} &= \begin{bmatrix} 1005 \\ 0106 \\ 0016 \end{bmatrix} \\
L_{426} &= \begin{bmatrix} 1005 \\ 0106 \\ 0017 \end{bmatrix} \\
L_{427} &= \begin{bmatrix} 1050 \\ 0160 \\ 0001 \end{bmatrix} \\
L_{428} &= \begin{bmatrix} 1005 \\ 0107 \\ 0010 \end{bmatrix} \\
L_{429} &= \begin{bmatrix} 1005 \\ 0107 \\ 0011 \end{bmatrix} \\
L_{430} &= \begin{bmatrix} 1005 \\ 0107 \\ 0012 \end{bmatrix} \\
L_{431} &= \begin{bmatrix} 1005 \\ 0107 \\ 0013 \end{bmatrix} \\
L_{432} &= \begin{bmatrix} 1005 \\ 0107 \\ 0014 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{433} &= \begin{bmatrix} 1005 \\ 0107 \\ 0015 \end{bmatrix} \\
L_{434} &= \begin{bmatrix} 1005 \\ 0107 \\ 0016 \end{bmatrix} \\
L_{435} &= \begin{bmatrix} 1005 \\ 0107 \\ 0017 \end{bmatrix} \\
L_{436} &= \begin{bmatrix} 1050 \\ 0170 \\ 0001 \end{bmatrix} \\
L_{437} &= \begin{bmatrix} 1500 \\ 0010 \\ 0001 \end{bmatrix} \\
L_{438} &= \begin{bmatrix} 1006 \\ 0100 \\ 0010 \end{bmatrix} \\
L_{439} &= \begin{bmatrix} 1006 \\ 0100 \\ 0011 \end{bmatrix} \\
L_{440} &= \begin{bmatrix} 1006 \\ 0100 \\ 0012 \end{bmatrix} \\
L_{441} &= \begin{bmatrix} 1006 \\ 0100 \\ 0013 \end{bmatrix} \\
L_{442} &= \begin{bmatrix} 1006 \\ 0100 \\ 0014 \end{bmatrix} \\
L_{443} &= \begin{bmatrix} 1006 \\ 0100 \\ 0015 \end{bmatrix} \\
L_{444} &= \begin{bmatrix} 1006 \\ 0100 \\ 0016 \end{bmatrix} \\
L_{445} &= \begin{bmatrix} 1006 \\ 0100 \\ 0017 \end{bmatrix} \\
L_{446} &= \begin{bmatrix} 1060 \\ 0100 \\ 0001 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{447} &= \begin{bmatrix} 1006 \\ 0101 \\ 0010 \end{bmatrix} \\
L_{448} &= \begin{bmatrix} 1006 \\ 0101 \\ 0011 \end{bmatrix} \\
L_{449} &= \begin{bmatrix} 1006 \\ 0101 \\ 0012 \end{bmatrix} \\
L_{450} &= \begin{bmatrix} 1006 \\ 0101 \\ 0013 \end{bmatrix} \\
L_{451} &= \begin{bmatrix} 1006 \\ 0101 \\ 0014 \end{bmatrix} \\
L_{452} &= \begin{bmatrix} 1006 \\ 0101 \\ 0015 \end{bmatrix} \\
L_{453} &= \begin{bmatrix} 1006 \\ 0101 \\ 0016 \end{bmatrix} \\
L_{454} &= \begin{bmatrix} 1006 \\ 0101 \\ 0017 \end{bmatrix} \\
L_{455} &= \begin{bmatrix} 1060 \\ 0110 \\ 0001 \end{bmatrix} \\
L_{456} &= \begin{bmatrix} 1006 \\ 0102 \\ 0010 \end{bmatrix} \\
L_{457} &= \begin{bmatrix} 1006 \\ 0102 \\ 0011 \end{bmatrix} \\
L_{458} &= \begin{bmatrix} 1006 \\ 0102 \\ 0012 \end{bmatrix} \\
L_{459} &= \begin{bmatrix} 1006 \\ 0102 \\ 0013 \end{bmatrix} \\
L_{460} &= \begin{bmatrix} 1006 \\ 0102 \\ 0014 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{461} &= \begin{bmatrix} 1006 \\ 0102 \\ 0015 \end{bmatrix} \\
L_{462} &= \begin{bmatrix} 1006 \\ 0102 \\ 0016 \end{bmatrix} \\
L_{463} &= \begin{bmatrix} 1006 \\ 0102 \\ 0017 \end{bmatrix} \\
L_{464} &= \begin{bmatrix} 1060 \\ 0120 \\ 0001 \end{bmatrix} \\
L_{465} &= \begin{bmatrix} 1006 \\ 0103 \\ 0010 \end{bmatrix} \\
L_{466} &= \begin{bmatrix} 1006 \\ 0103 \\ 0011 \end{bmatrix} \\
L_{467} &= \begin{bmatrix} 1006 \\ 0103 \\ 0012 \end{bmatrix} \\
L_{468} &= \begin{bmatrix} 1006 \\ 0103 \\ 0013 \end{bmatrix} \\
L_{469} &= \begin{bmatrix} 1006 \\ 0103 \\ 0014 \end{bmatrix} \\
L_{470} &= \begin{bmatrix} 1006 \\ 0103 \\ 0015 \end{bmatrix} \\
L_{471} &= \begin{bmatrix} 1006 \\ 0103 \\ 0016 \end{bmatrix} \\
L_{472} &= \begin{bmatrix} 1006 \\ 0103 \\ 0017 \end{bmatrix} \\
L_{473} &= \begin{bmatrix} 1060 \\ 0130 \\ 0001 \end{bmatrix} \\
L_{474} &= \begin{bmatrix} 1006 \\ 0104 \\ 0010 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{475} &= \begin{bmatrix} 1006 \\ 0104 \\ 0011 \end{bmatrix} \\
L_{476} &= \begin{bmatrix} 1006 \\ 0104 \\ 0012 \end{bmatrix} \\
L_{477} &= \begin{bmatrix} 1006 \\ 0104 \\ 0013 \end{bmatrix} \\
L_{478} &= \begin{bmatrix} 1006 \\ 0104 \\ 0014 \end{bmatrix} \\
L_{479} &= \begin{bmatrix} 1006 \\ 0104 \\ 0015 \end{bmatrix} \\
L_{480} &= \begin{bmatrix} 1006 \\ 0104 \\ 0016 \end{bmatrix} \\
L_{481} &= \begin{bmatrix} 1006 \\ 0104 \\ 0017 \end{bmatrix} \\
L_{482} &= \begin{bmatrix} 1060 \\ 0140 \\ 0001 \end{bmatrix} \\
L_{483} &= \begin{bmatrix} 1006 \\ 0105 \\ 0010 \end{bmatrix} \\
L_{484} &= \begin{bmatrix} 1006 \\ 0105 \\ 0011 \end{bmatrix} \\
L_{485} &= \begin{bmatrix} 1006 \\ 0105 \\ 0012 \end{bmatrix} \\
L_{486} &= \begin{bmatrix} 1006 \\ 0105 \\ 0013 \end{bmatrix} \\
L_{487} &= \begin{bmatrix} 1006 \\ 0105 \\ 0014 \end{bmatrix} \\
L_{488} &= \begin{bmatrix} 1006 \\ 0105 \\ 0015 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{489} &= \begin{bmatrix} 1006 \\ 0105 \\ 0016 \end{bmatrix} \\
L_{490} &= \begin{bmatrix} 1006 \\ 0105 \\ 0017 \end{bmatrix} \\
L_{491} &= \begin{bmatrix} 1060 \\ 0150 \\ 0001 \end{bmatrix} \\
L_{492} &= \begin{bmatrix} 1006 \\ 0106 \\ 0010 \end{bmatrix} \\
L_{493} &= \begin{bmatrix} 1006 \\ 0106 \\ 0011 \end{bmatrix} \\
L_{494} &= \begin{bmatrix} 1006 \\ 0106 \\ 0012 \end{bmatrix} \\
L_{495} &= \begin{bmatrix} 1006 \\ 0106 \\ 0013 \end{bmatrix} \\
L_{496} &= \begin{bmatrix} 1006 \\ 0106 \\ 0014 \end{bmatrix} \\
L_{497} &= \begin{bmatrix} 1006 \\ 0106 \\ 0015 \end{bmatrix} \\
L_{498} &= \begin{bmatrix} 1006 \\ 0106 \\ 0016 \end{bmatrix} \\
L_{499} &= \begin{bmatrix} 1006 \\ 0106 \\ 0017 \end{bmatrix} \\
L_{500} &= \begin{bmatrix} 1060 \\ 0160 \\ 0001 \end{bmatrix} \\
L_{501} &= \begin{bmatrix} 1006 \\ 0107 \\ 0010 \end{bmatrix} \\
L_{502} &= \begin{bmatrix} 1006 \\ 0107 \\ 0011 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{503} &= \begin{bmatrix} 1006 \\ 0107 \\ 0012 \end{bmatrix} \\
L_{504} &= \begin{bmatrix} 1006 \\ 0107 \\ 0013 \end{bmatrix} \\
L_{505} &= \begin{bmatrix} 1006 \\ 0107 \\ 0014 \end{bmatrix} \\
L_{506} &= \begin{bmatrix} 1006 \\ 0107 \\ 0015 \end{bmatrix} \\
L_{507} &= \begin{bmatrix} 1006 \\ 0107 \\ 0016 \end{bmatrix} \\
L_{508} &= \begin{bmatrix} 1006 \\ 0107 \\ 0017 \end{bmatrix} \\
L_{509} &= \begin{bmatrix} 1060 \\ 0170 \\ 0001 \end{bmatrix} \\
L_{510} &= \begin{bmatrix} 1600 \\ 0010 \\ 0001 \end{bmatrix} \\
L_{511} &= \begin{bmatrix} 1007 \\ 0100 \\ 0010 \end{bmatrix} \\
L_{512} &= \begin{bmatrix} 1007 \\ 0100 \\ 0011 \end{bmatrix} \\
L_{513} &= \begin{bmatrix} 1007 \\ 0100 \\ 0012 \end{bmatrix} \\
L_{514} &= \begin{bmatrix} 1007 \\ 0100 \\ 0013 \end{bmatrix} \\
L_{515} &= \begin{bmatrix} 1007 \\ 0100 \\ 0014 \end{bmatrix} \\
L_{516} &= \begin{bmatrix} 1007 \\ 0100 \\ 0015 \end{bmatrix}
\end{aligned}$$



$$\begin{aligned}
L_{517} &= \begin{bmatrix} 1007 \\ 0100 \\ 0016 \end{bmatrix} \\
L_{518} &= \begin{bmatrix} 1007 \\ 0100 \\ 0017 \end{bmatrix} \\
L_{519} &= \begin{bmatrix} 1070 \\ 0100 \\ 0001 \end{bmatrix} \\
L_{520} &= \begin{bmatrix} 1007 \\ 0101 \\ 0010 \end{bmatrix} \\
L_{521} &= \begin{bmatrix} 1007 \\ 0101 \\ 0011 \end{bmatrix} \\
L_{522} &= \begin{bmatrix} 1007 \\ 0101 \\ 0012 \end{bmatrix} \\
L_{523} &= \begin{bmatrix} 1007 \\ 0101 \\ 0013 \end{bmatrix} \\
L_{524} &= \begin{bmatrix} 1007 \\ 0101 \\ 0014 \end{bmatrix} \\
L_{525} &= \begin{bmatrix} 1007 \\ 0101 \\ 0015 \end{bmatrix} \\
L_{526} &= \begin{bmatrix} 1007 \\ 0101 \\ 0016 \end{bmatrix} \\
L_{527} &= \begin{bmatrix} 1007 \\ 0101 \\ 0017 \end{bmatrix} \\
L_{528} &= \begin{bmatrix} 1070 \\ 0110 \\ 0001 \end{bmatrix} \\
L_{529} &= \begin{bmatrix} 1007 \\ 0102 \\ 0010 \end{bmatrix} \\
L_{530} &= \begin{bmatrix} 1007 \\ 0102 \\ 0011 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{531} &= \begin{bmatrix} 1007 \\ 0102 \\ 0012 \end{bmatrix} \\
L_{532} &= \begin{bmatrix} 1007 \\ 0102 \\ 0013 \end{bmatrix} \\
L_{533} &= \begin{bmatrix} 1007 \\ 0102 \\ 0014 \end{bmatrix} \\
L_{534} &= \begin{bmatrix} 1007 \\ 0102 \\ 0015 \end{bmatrix} \\
L_{535} &= \begin{bmatrix} 1007 \\ 0102 \\ 0016 \end{bmatrix} \\
L_{536} &= \begin{bmatrix} 1007 \\ 0102 \\ 0017 \end{bmatrix} \\
L_{537} &= \begin{bmatrix} 1070 \\ 0120 \\ 0001 \end{bmatrix} \\
L_{538} &= \begin{bmatrix} 1007 \\ 0103 \\ 0010 \end{bmatrix} \\
L_{539} &= \begin{bmatrix} 1007 \\ 0103 \\ 0011 \end{bmatrix} \\
L_{540} &= \begin{bmatrix} 1007 \\ 0103 \\ 0012 \end{bmatrix} \\
L_{541} &= \begin{bmatrix} 1007 \\ 0103 \\ 0013 \end{bmatrix} \\
L_{542} &= \begin{bmatrix} 1007 \\ 0103 \\ 0014 \end{bmatrix} \\
L_{543} &= \begin{bmatrix} 1007 \\ 0103 \\ 0015 \end{bmatrix} \\
L_{544} &= \begin{bmatrix} 1007 \\ 0103 \\ 0016 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{545} &= \begin{bmatrix} 1007 \\ 0103 \\ 0017 \end{bmatrix} \\
L_{546} &= \begin{bmatrix} 1070 \\ 0130 \\ 0001 \end{bmatrix} \\
L_{547} &= \begin{bmatrix} 1007 \\ 0104 \\ 0010 \end{bmatrix} \\
L_{548} &= \begin{bmatrix} 1007 \\ 0104 \\ 0011 \end{bmatrix} \\
L_{549} &= \begin{bmatrix} 1007 \\ 0104 \\ 0012 \end{bmatrix} \\
L_{550} &= \begin{bmatrix} 1007 \\ 0104 \\ 0013 \end{bmatrix} \\
L_{551} &= \begin{bmatrix} 1007 \\ 0104 \\ 0014 \end{bmatrix} \\
L_{552} &= \begin{bmatrix} 1007 \\ 0104 \\ 0015 \end{bmatrix} \\
L_{553} &= \begin{bmatrix} 1007 \\ 0104 \\ 0016 \end{bmatrix} \\
L_{554} &= \begin{bmatrix} 1007 \\ 0104 \\ 0017 \end{bmatrix} \\
L_{555} &= \begin{bmatrix} 1070 \\ 0140 \\ 0001 \end{bmatrix} \\
L_{556} &= \begin{bmatrix} 1007 \\ 0105 \\ 0010 \end{bmatrix} \\
L_{557} &= \begin{bmatrix} 1007 \\ 0105 \\ 0011 \end{bmatrix} \\
L_{558} &= \begin{bmatrix} 1007 \\ 0105 \\ 0012 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{559} &= \begin{bmatrix} 1007 \\ 0105 \\ 0013 \end{bmatrix} \\
L_{560} &= \begin{bmatrix} 1007 \\ 0105 \\ 0014 \end{bmatrix} \\
L_{561} &= \begin{bmatrix} 1007 \\ 0105 \\ 0015 \end{bmatrix} \\
L_{562} &= \begin{bmatrix} 1007 \\ 0105 \\ 0016 \end{bmatrix} \\
L_{563} &= \begin{bmatrix} 1007 \\ 0105 \\ 0017 \end{bmatrix} \\
L_{564} &= \begin{bmatrix} 1070 \\ 0150 \\ 0001 \end{bmatrix} \\
L_{565} &= \begin{bmatrix} 1007 \\ 0106 \\ 0010 \end{bmatrix} \\
L_{566} &= \begin{bmatrix} 1007 \\ 0106 \\ 0011 \end{bmatrix} \\
L_{567} &= \begin{bmatrix} 1007 \\ 0106 \\ 0012 \end{bmatrix} \\
L_{568} &= \begin{bmatrix} 1007 \\ 0106 \\ 0013 \end{bmatrix} \\
L_{569} &= \begin{bmatrix} 1007 \\ 0106 \\ 0014 \end{bmatrix} \\
L_{570} &= \begin{bmatrix} 1007 \\ 0106 \\ 0015 \end{bmatrix} \\
L_{571} &= \begin{bmatrix} 1007 \\ 0106 \\ 0016 \end{bmatrix} \\
L_{572} &= \begin{bmatrix} 1007 \\ 0106 \\ 0017 \end{bmatrix}
\end{aligned}$$

$$\begin{aligned}
L_{573} &= \begin{bmatrix} 1070 \\ 0160 \\ 0001 \end{bmatrix} \\
L_{574} &= \begin{bmatrix} 1007 \\ 0107 \\ 0010 \end{bmatrix} \\
L_{575} &= \begin{bmatrix} 1007 \\ 0107 \\ 0011 \end{bmatrix} \\
L_{576} &= \begin{bmatrix} 1007 \\ 0107 \\ 0012 \end{bmatrix} \\
L_{577} &= \begin{bmatrix} 1007 \\ 0107 \\ 0013 \end{bmatrix} \\
L_{578} &= \begin{bmatrix} 1007 \\ 0107 \\ 0014 \end{bmatrix} \\
L_{579} &= \begin{bmatrix} 1007 \\ 0107 \\ 0015 \end{bmatrix} \\
L_{580} &= \begin{bmatrix} 1007 \\ 0107 \\ 0016 \end{bmatrix} \\
L_{581} &= \begin{bmatrix} 1007 \\ 0107 \\ 0017 \end{bmatrix} \\
L_{582} &= \begin{bmatrix} 1070 \\ 0170 \\ 0001 \end{bmatrix} \\
L_{583} &= \begin{bmatrix} 1700 \\ 0010 \\ 0001 \end{bmatrix} \\
L_{584} &= \begin{bmatrix} 0100 \\ 0010 \\ 0001 \end{bmatrix}
\end{aligned}$$

# The polynomial rings associated with $\text{PG}(3, 8)$

$h$	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	$X_3^3$	$(0, 0, 0, 3)$
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	$X_0 X_1^2$	$(1, 2, 0, 0)$
8	$X_1^2 X_2$	$(0, 2, 1, 0)$
9	$X_1^2 X_3$	$(0, 2, 0, 1)$
10	$X_0 X_2^2$	$(1, 0, 2, 0)$
11	$X_1 X_2^2$	$(0, 1, 2, 0)$
12	$X_2^2 X_3$	$(0, 0, 2, 1)$
13	$X_0 X_3^2$	$(1, 0, 0, 2)$
14	$X_1 X_3^2$	$(0, 1, 0, 2)$
15	$X_2 X_3^2$	$(0, 0, 1, 2)$
16	$X_0 X_1 X_2$	$(1, 1, 1, 0)$
17	$X_0 X_1 X_3$	$(1, 1, 0, 1)$
18	$X_0 X_2 X_3$	$(1, 0, 1, 1)$
19	$X_1 X_2 X_3$	$(0, 1, 1, 1)$



$h$	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	$X_2 X_3^3$	(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	$X_0X_1^2X_2$	$(1, 2, 1, 0)$
26	$X_0X_1^2X_3$	$(1, 2, 0, 1)$
27	$X_1^2X_2X_3$	$(0, 2, 1, 1)$
28	$X_0X_1X_2^2$	$(1, 1, 2, 0)$
29	$X_0X_2^2X_3$	$(1, 0, 2, 1)$
30	$X_1X_2^2X_3$	$(0, 1, 2, 1)$
31	$X_0X_1X_3^2$	$(1, 1, 0, 2)$
32	$X_0X_2X_3^2$	$(1, 0, 1, 2)$
33	$X_1X_2X_3^2$	$(0, 1, 1, 2)$
34	$X_0X_1X_2X_3$	$(1, 1, 1, 1)$